



WIRES & CABLES

FOR TOMORROW'S TECHNOLOGIES

CABLES FOR
TRUCKS

COFICAB designs, and manufactures single and multicore electric cables for Trucks, in accordance with customer standards and drawings, in all cross-sections and temperature classes.

WWW.COFICAB.COM

OVERVIEW

About us	2
Our spirit of quality and excellence	3

TRUCK CABLES

T1 (up to 90°C/3000h)

FL(Y+02Y)11Y FR	6
FL(Y+02Y)11Y NFR	7
SAE TRUCK CABLE PVC/PVC	8
SAE TRUCK CABLE PVC/TPE	10
BT-SK	11
SXKB	12
SXKBZH	13

T2 (up to 115°C/3000h)

FLR31Y13Y	15
RK	16
RXKB	18
VR2	19
VR2 Twisted	20
FL(9Y+RY+U7Y)YW	21
FL(U)2X11Y FR	22
FL(U)2X11Y NFR	23
FLCuSn03RY11Y FR	24
FLCuSn03RY11Y NFR	25
FLCuSn03RYY	26
FLR(Y+2X)11Y	27
FLR(Y+2X)YW	28
FLR(Y+9Y)Y	29
FLR(Y+Y+2X)YW	30
FLR(Y+Y+9Y)YW	31
FLRY A6555400027	32
FLRY MAN	34
FLRY MAN twisted	36
FLRY(9Y)11Y FR	37
FLRY(9Y)11Y NFR	38
FLRY(Y)(2X)11Y FR	39
FLRY(Y)(2X)11Y NFR	40
FLRYY SH45	41
FLSY11Y FR	43
FLSY11Y FR	44
FLSY	45
FLY MAN	46
FLYKYK	47
FLYY	48
FLYY ADR	49
R2VI	51
FLCuSn03RYWD	52
SLYW	53

T3 (up to 125°C/3000h)

BT-SKZH	55
FL2X11Y Scania	56
FLCuSn03YW	57
FLR31Y(9Y)11Y NFR	58

FLR31Y(9Y)11Y NFR	59
FLR31Y13Y	60
FLR7Y MAN	61
FLR9Y MAN	62
FLRYW MAN-DAF	64
FLYW DAF	66
IF3	67
R2XV	68
R9YV	69
RVT3 PP	70
RVT3 PVC	71
RXKBZH Volvo	72
S2X2X	73
S3 Volvo	74
S3X	75
S9Y11Y	76
S9YB11Y	78
SL2X11Y	79
SXKB 750V	80
SXKBZH 750V	81
VR2X11Y	82

T4(up to 150°C/3000h)

FHLR91XCB91X T4 Multi. Scania	85
FL2X2X	86
FL2X2X SN Scania	87
FLCuSn03R2X	88
FLCuSn03R2X	89
FLR2X2X Scania	90
FLR91X MAN	92
S42X42X	93
S6Y42X	95
SBBB HFFR	96

TECHNICAL INFORMATION

Our product range	98
Cable type codes	99
Special design feature codes	99
Conductor material codes	99
Insulation wall thickness	99
Insulation and sheath materials	99
Non-extruded cladding	99
Temperature class	100
Number of cores, nominal conductor cross section, specific DC resistance per unit length	100
Conductor structures and surface coatings	100
Nominal voltage	100
COFFLEX	100
Printing	100
Environmental properties	100

COFICAB WORLDWIDE

Our locations	102
Our footprint	103

ABOUT US

Since 1992

COFICAB is a member of ELLOUMI Group, founded in 1946 by Mr. Taoufik Elloumi in Tunisia. ELLOUMI Group is the biggest industrial and exporting group in this country, specializing in a wide variety of services, including automotive, power, and telecom cables, wire harnesses, agribusiness, real-estate, urban planning, retail, home appliances and consulting. ELLOUMI Group comprises 30 subsidiary companies worldwide and employs over 10 000 people.

COFICAB

is your leading global partner in the design, manufacturing, and sales of automotive cables and wires. COFICAB was founded in 1992 by Mr. Hichem Elloumi. Since then, it has experienced an incredible national and international expansion, and an unequaled speed of organic growth.

A very important part of COFICAB's mission, is not only to be at the forefront of technology, but also to be a leader in the field. For this reason, we position ourselves ahead of market trends and demands by offering a broad catalog of products that range from lighter and smaller automotive cables, such as COFskinny; automotive cables for connectivity applications, such as COFdata; cables for autonomous driving, such as COFsense, automotive cables for electric and hybrid cars, such as e-COF; tailor-made cables for and in collaboration with our customer, examples of which, you can see in our cable family, named TAILOR-MADE.

COFICAB develops automotive wires and cables for current applications, but also develops cables for applications that have not yet been required by the current market, which is possible thanks to the constant investment in human and material resources for Research and Development, with the objective to always be at the forefront of the market and the requests of our customers.

OUR SPIRIT OF QUALITY & EXCELLENCE



QUALITY
IATF 16949
ISO 9001



R&D LABORATORY
NP EN
ISO/IEC 17025



**ENVIRONMENT
HEALTH & SAFETY**
ISO 14001
ISO 45001
EMAS

OEM accreditation by:

Daimler
FCA
FORD
GM
JLR
PSA
RSA
VW

QUALITY

Undoubtedly, COFICAB is dedicated to quality values by continually providing innovative solutions to its partners in view of understanding their requirements and enhancing the productivity of their engineering and manufacturing applications.

Thanks to these values of knowledge and expertise, integrity, service and empowerment, COFICAB had succeeded to acquire ISO/TS 16949 version 2002 for all facilities in addition to the laboratory accreditation according to ISO 17025.

Our quality concern had driven us to implement up to date quality management systems and best practices that have allowed us to develop capable processes in order to prevent quality issues and, generally speaking, accomplish our corporate quality strategy.

ENVIRONMENT

The environment care and protection are an integral part of our health and safety corporate policies and are key elements in our progress.

We do certainly value the importance of an environment ecologically healthy and safe that's why we had combined all our efforts to reach this ultimate goal through the compliance to the ISO 14001 standards.

In this regard, COFICAB is fully complying with the European directives, IMDS system and is now completely engaged in the REACH program.

TRUCK CABLES

T1
Up tp 90°C

T2
Up tp 115°C

T3
Up tp 125°C

T4
Up tp 150°C



We can customize our cables on demand, e.g. we can produce all cross-sections and temperature classes upon request.

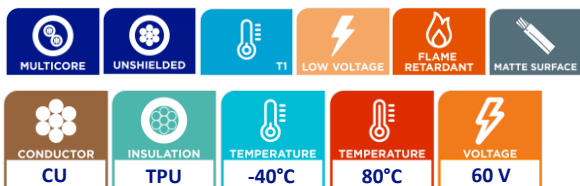
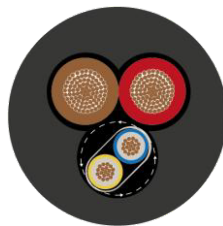
TRUCK CABLES

T1 (UP TO 90°C)

FL(Y+02Y)11Y FR	6
FL(Y+02Y)11Y NFR	7
SAE TRUCK CABLE PVC/PVC	8
SAE TRUCK CABLE PVC/TPE	10
BT-SK	11
SXKB	12
SXKBZH	13

FL(Y+02Y)11Y FR

-40°C ... 80°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x0,50mm²): PE foamed
 Insulation material (2,50mm²): plasticized PVC
 Jacket Material: Polyurethane (TPU)
 flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 80°C
 Characteristic Impedance (2x0,50mm²): 120 Ω ± 10 %
 Capacitance (2x0,50mm²): 45 pF/m

CONSTRUCTION

TPU jacketed cable with twisted single cores and separating tape (2x0,50mm²).

ACCORDING TO THE STANDARD

1. WABCO 811 519 238 6
2. According client's specifications

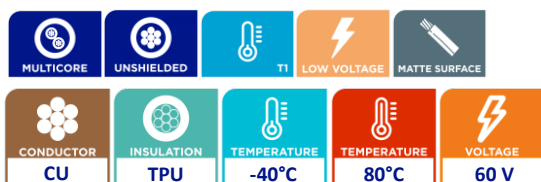
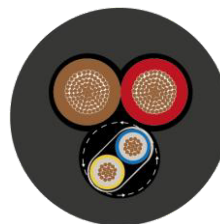
Type	Conductor			Core		Cable			According to the Standard
	Geometry		Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	*Bare max.	*Wall thickness min.	*Diameter	Lay length approx.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL(Y+02Y)11Y FR	2 x 0,50 (Pair)	7 x 0,32	37,1	0,32	1,8 – 2,0	50	-	-	1, 2
	2,50	50 x 0,26	7,6	0,56	3,4 – 3,6	-	-	-	
	2 x 2,50 + (2 x 0,50)	-	-	-	-	100	0,75	9,35 – 9,85	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FL(Y+02Y)11Y FR	2 x 2,50 + (2 x 0,50)	BK_BN-RD-(BU-YE)	132

FL(Y+02Y)11Y NFR

-40°C ... 80°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x0,50mm²): PE foamed
 Insulation material (2,50mm²): plasticized PVC
 Jacket Material: Polyurethane (TPU)
 not flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 80°C
 Characteristic Impedance (2x0,50mm²): 120 Ω ± 10 %
 Capacitance (2x0,50mm²): 45 pF/m

CONSTRUCTION

TPU jacketed cable with twisted single cores and separating tape (2x0,50mm²).

ACCORDING TO THE STANDARD

1. Based on WABCO 811 519 238 6
2. According client's specifications

Type	Conductor			Core		Cable			According to the Standard
	Geometry		Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	*Bare max.	*Wall thickness min.	*Diameter	Lay length approx.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL(Y+02Y)11Y NFR	2 x 0,50 (Pair)	7 x 0,32	37,1	0,32	1,8 – 2,0	50	-	-	1, 2
	2,50	50 x 0,26	7,6	0,56	3,4 – 3,6	-	-	-	
	2 x 2.50 + (2 x 0.50)	-	-	-	-	100	0.75	9.35 – 9.85	

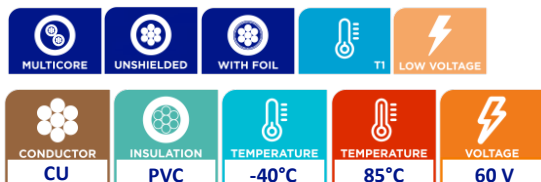
(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FL(Y+02Y)11Y NFR	2 x 2,50 + (2 x 0,50)	BK_BN-RD-(BU-YE)	132

SAE TRUCK CABLE

PVC/PVC

-40°C to 85°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
 Insulation material: Plasticized PVC
 Tape: Separating tape
 Jacket Material: Plasticized PVC

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 85°C

CONSTRUCTION

PVC jacketed cable with PVC twisted single cores.

ACCORDING TO THE STANDARD

1. According client's specifications
2. SAE J2394

Type	Conductor				Core		Cable				According to the Standard
	Geometry			Minimum conductor Area	Geometry		Geometry				
	SAE Conductor Size		Construction		Wall thickness min.	Diameter max.	Lay length	Wall thickness min.	Diameter max.		
	AWG	Cross-Section									
		[mm²]								N x Ønom.[mm]	
SAE Truck Cable - S PVC/PVC	2 x 16	2 x 1,0	19 x 0,31	1,12	0,41	2,9	70 ± 10	1,143	7,37 – 7,87	1	
SAE Truck Cable - S PVC/PVC	2 x 14	2 x 2,0	19 x 0,36	1,85	0,41	3,2	70 ± 10	0,94	7,87 – 8,38	1	
SAE Truck Cable - S PVC/PVC	3 x 16	3 x 1,0	19 x 0,31	1,12	0,41	2,9	100 ± 10	0,76	9,91 – 10,41	1	
	1 x 14	1 x 2,0	19 x 0,36	1,85	0,41	3,2					
SAE Truck Cable - S PVC/PVC	4 x 14	4 x 2,0	19 x 0,36	1,85	0,41	3,2	100 ± 10	0,70	8,64 – 9,02	1	
SAE Truck Cable - S PVC/PVC	5 x 14	5 x 2,0	19 x 0,36	1,85	0,41	3,2	110 ± 10	1,524	11,43 – 11,94	1	
	1 x 12	1 x 3,0	19 x 0,45	2,91	0,46	3,8					
	Filler	-	-	-	-	3,0					
SAE Truck Cable - S PVC/PVC	3 x 12	3 x 3,0	19 x 0,45	2,91	0,46	3,8	95 ± 10	1,0	10,67 – 11,18	1	
SAE Truck Cable - F PVC/PVC	4 x 12	4 x 3,0	65 x 0,255	3,24	0,46	3,8	150 ± 10	1,0	17,0 – 18,0	1, 2	
	2 x 10	2 x 5,0	105 x 0,255	5,16	0,56	4,7					
	1 x 8	1 x 8,0	168 x 0,255	8,2	0,46	6,0					
SAE Truck Cable - S PVC/PVC	4 x 12	4 x 3,0	19 x 0,470	3,24	0,46	3,8	150 ± 10	1,0	17,0 – 18,0	1	
	2 x 10	2 x 5,0	37 x 0,425	5,16	0,56	4,7					
	1 x 8	1 x 8,0	37 x 0,535	8,2	0,46	6,0					
SAE Truck Cable – S PVC/PVC	5 x 12	5 x 3,0	19 x 0,450	2,91	0,46	3,8	165 ± 10	1,52	15,0 – 15,5	1	
	1 x 10	1 x 5,0	19 x 0,570	5,16	0,55	4,7					
	Filler	-	-	-	-	3,6					

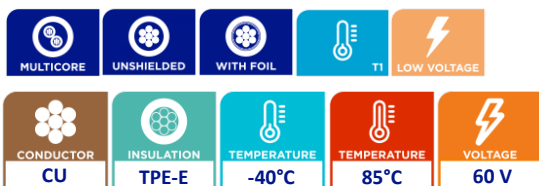
Cable type			
Type	SAE Conductor Size	Colour	Weight approx.
	AWG		[g/m]
SAE Truck Cable - S PVC/PVC	2 x 16	According to the order	82
SAE Truck Cable - S PVC/PVC	2 x 14	According to the order	101
SAE Truck Cable - S PVC/PVC	3 x 16 + 1 x 14	According to the order	149
SAE Truck Cable - S PVC/PVC	4 x 14	According to the order	141
SAE Truck Cable - S PVC/PVC	5 x 14 + 1 x 12 + Filler	According to the order	227
SAE Truck Cable - S PVC/PVC	3 x 12	According to the order	196
SAE Truck Cable - F PVC/PVC	4 x 12 + 2 x 10 + 1 x 8	According to the order	543
SAE Truck Cable - S PVC/PVC	4 x 12 + 2 x 10 + 1 x 8	According to the order	543
SAE Truck Cable - S PVC/PVC	5 x 12 + 1 x 10 + Filler	According to the order	372



SAE TRUCK CABLE

PVC/TPE

-40°C ... 85°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
 Insulation material: Plasticized PVC
 Tape: Separating tape
 Jacket Material: TPE-E

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 85°C

CONSTRUCTION

TPE-E jacketed cable with PVC twisted single cores.

ACCORDING TO THE STANDARD

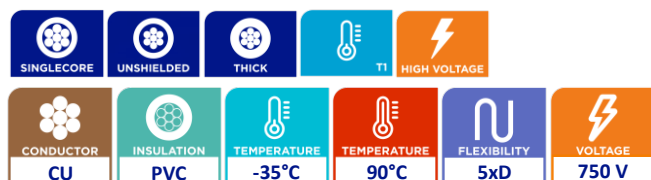
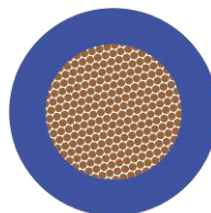
1. SAE J-2394
2. According client's specifications

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Minimum conductor Area	Geometry		Geometry			
	SAE Conductor Size		Construction		Wall thickness min.	Diameter max.	Lay length	Wall thickness min.	Diameter max.	
	AWG	Cross-Section								
		[mm²]								
SAE Truck Cable - F PVC/TPE	4 x 12	4 x 3,0	65 x 0,255	3,24	0,46	3,8	150 ± 10	1,0	17,0 – 18,0	1,2
	2 x 10	2 x 5,0	105 x 0,255	5,16	0,56	4,7				
	1 x 8	1 x 8,0	168 x 0,255	8,2	0,46	6,0				
SAE Truck Cable - S PVC/TPE	4 x 12	4 x 3,0	19 x 0,470	3,24	0,46	3,8	150 ± 10	1,0	17,0 – 18,0	1,2
	2 x 10	2 x 5,0	37 x 0,425	5,16	0,56	4,7				
	1 x 8	1 x 8,0	37 x 0,535	8,2	0,46	6,0				

Cable type			
Type	SAE Conductor Size	Color	Weight approx.
	AWG		[g/m]
SAE Truck Cable - F PVC/TPE	4x12 + 2x10 + 1x8	According to the order	-
SAE Truck Cable - S PVC/TPE	4x12 + 2x10 + 1x8	According to the order	-

BT-SK

-35°C ... 90°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
 Insulation material: plasticized PVC
 Covering: Thick walled insulation

TECHNICAL DATA

Voltage level: 750V
 Temperature range: -35°C ... 90°C/3000h
 Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

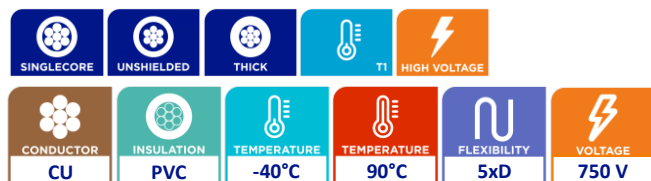
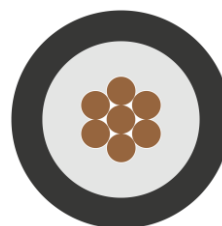
1. Volvo 1058547 003

Type	Conductor				Core		
	Geometry			Resistance Bare max. [mΩ/m]	Geometry		According to the Standard
	Cross-Section	Construction	Diameter nom.		Wall thickness min.	Diameter	
	[mm²]	N x [mm]	[mm]		[mm]	[mm]	
BT-SK	50,00	1600 x 0,21	9,4	0,386	1,88	13,3 – 14,3	1
BT-SK	70,00	2147 x 0,21	11,4	0,272	1,97	15,5 – 16,5	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
BT-SK	50,00	540
BT-SK	70,00	750

SXKB 750V

-40°C ... 90°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
Insulation material: XPO E-beam cross-linked
Sheath: plasticized PVC

TECHNICAL DATA

Voltage level: 750V
Temperature range: -40°C ... 90°C/3000h
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

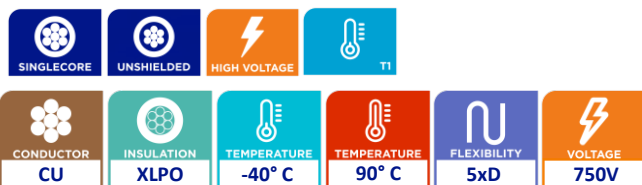
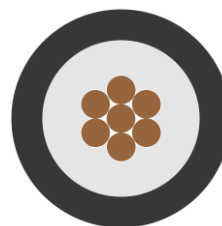
1. Similar to Volvo 1058675 002

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Insulation		Sheath		According to the Standard
	Cross-section	Construction	Diameter nom.		Bare max.	Wall thickness min.	Diameter nom.	Wall thickness min.	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
SXKB	50,00	1600 x 0,21	9,4	0,386	0,62	11,0	0,75	12,6 - 13,4	
SXKB	70,00	2147 x 0,21	11,4	0,272	0,62	13,0	1,26	15,7 - 16,7	1
SXKB	95,00	3000 x 0,21	13,7	0,206	0,71	15,5	1,26	18,2 – 19,2	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
SXKB	50,00	510
SXKB	70,00	750
SXKB	95,00	950

SXKBZH 750V

-40°C ... 90°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
 Insulation material: XPO E-beam cross-linked
 Sheath: Thermoplastic Polyolefin Halogen Free

TECHNICAL DATA

Voltage level: 750V
 Temperature range: -40°C ... 90°C/3000h
 Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

1. Similar to Volvo 1058675 002

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Geometry		Sheath		According to the Standard
	Cross-section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter	Wall thickness min.	Diameter	
	[mm²]	N* x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
SXKBZH	50	1600 x 0,21	9,4	0,386	0,62	11,0	0,75	12,6 – 13,4	1
SXKBZH	70	2147 x 0,21	11,4	0,272	0,62	13,0	1,26	15,7 – 16,7	1
SXKBZH	95	3000 x 0,21	13,7	0,206	0,71	15,5	1,26	18,2 – 19,2	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
SXKBZH	50	510
SXKBZH	70	750
SXKBZH	95	950

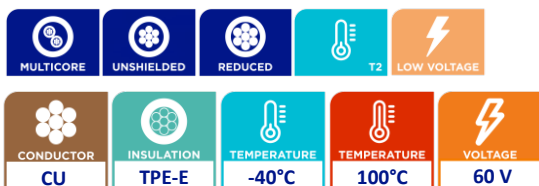
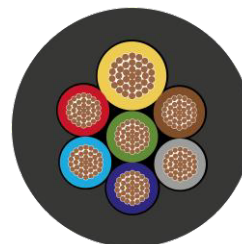
TRUCK CABLES

T2 (UP TO 115°C)

FLR31Y13Y	15	FLRY MAN	34
RK	16	FLRY MAN twisted	36
RXKB	18	FLRY(9Y)11Y FR	37
VR2	19	FLRY(9Y)11Y NFR	38
VR2 Twisted	20	FLRY(Y)(2X)11Y FR	39
FL(9Y+RY+U7Y)YW	21	FLRY(Y)(2X)11Y NFR	40
FL(U)2X11Y FR	22	FLRY SH45	41
FL(U)2X11Y NFR	23	FLSY11Y FR	43
FLCuSn03RY11Y FR	24	FLSY11Y FR	44
FLCuSn03RY11Y NFR	25	FLSY	45
FLCuSn03RYY	26	FLY MAN	46
FLR(Y+2X)11Y	27	FLYKYK	47
FLR(Y+2X)YW	28	FLYY	48
FLR(Y+9Y)Y	29	FLYY ADR	49
FLR(Y+Y+2X)YW	30	R2VI	51
FLR(Y+Y+9Y)YW	31	FLCuSn03RYWD	52
FLRY A6555400027	32	SLYW	53

FLR31Y13Y

-40°C ... 100°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: TPE-S
 Jacket Material: TPE-E

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 100°C/3000h

CONSTRUCTION

Jacketed cable with twisted TPE-S single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

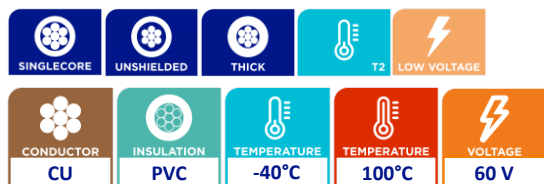
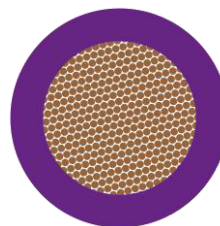
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness nom.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR31Y13Y	6 x 1,00 + 1 x 1,50	32 x 0,21	1,4	18,5	0,24	2,1 -0,2	100 ±10	1,0	9,0 -0,6	1
		30 x 0,26	1,7	12,7	0,24	2,4 -0,2				
FLR31Y13Y	6 x 1,50 + 1 x 2,50	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	100 ±10	1,0	11,8 -0,6	1
		50 x 0,26	2,2	7.60	0,28	3,0 -0,3				

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLR31Y13Y	6 x 1,00 + 1 x 1,50	According to the order	128
FLR31Y13Y	6 x 1,50 + 1 x 2,50	According to the order	209

RK

-40°C to 100°C



DESIGN

Conductor: CU ETP1 according to EN 13602, bare
Insulation material: PVC

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 100°C

ACCORDING TO THE STANDARD

1. Scania STD 1802
2. Scania STD 1801
3. Scania TB 1914
4. Scania drawing 1784525

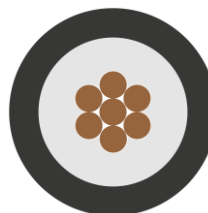
Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
RK	0,50	16 x 0,21	1,1	39,0	0,44	2,0 – 2,3	1, 2, 3
RK	0,75	24 x 0,21	1,3	26,0	0,44	2,2 – 2,5	1, 2, 3
RK	1,00	32 x 0,21	1,5	19,5	0,44	2,4 – 2,7	1, 2, 3
RK	1,50	30 x 0,26	1,8	13,3	0,44	2,7 – 3,0	1, 2, 3
RK	2,50	50 x 0,26	2,2	7,98	0,53	3,2 – 3,6	1, 2, 3
RK	4,00	56 x 0,31	2,8	4,95	0,62	4,0 – 4,4	1, 2, 3
RK	6,00	84 x 0,31	3,4	3,30	0,62	4,6 – 5,0	1, 2, 3
RK	10,00	80 x 0,41	4,5	1,91	0,8	6,1 – 6,5	1, 2, 3
RK	16,00	126 x 0,41	6,3	1,21	0,8	7,9 – 8,3	1, 2, 3
RK-C	25,00	790 x 0,21	7,8	0,780	0,9	8,7 – 9,6	3, 4
RK	25,00	196 x 0,41	7,8	0,780	1,07	9,9 – 10,4	1, 2, 3
RK-C	35,00	1102 x 0,21	9,0	0,554	1,04	10,9 – 11,6	3, 4
RK	35,00	276 x 0,41	9,0	0,554	1,07	11,0 – 11,6	1, 2, 3
RK-C/12,6	50,00	1600 x 0,21	10,5	0,386	1,1	11,6 – 12,6	3, 4
RK-C/13,5	50,00	1600 x 0,21	10,5	0,386	1,2	11,8 – 13,5	3, 4
RK-C/14,2	50,00	1600 x 0,21	10,5	0,386	1,9	13,2 – 14,2	3, 4
RK	50,00	396 x 0,41	10,5	0,386	1,25	12,9 – 13,5	1, 2, 3
RK	70,00	360 x 0,51	12,5	0,272	1,25	14,9 – 15,5	1, 2, 3
RK	95,00	475 x 0,51	14,8	0,206	1,34	17,3 – 18,0	1, 2, 3

Cable type		
Type	Cross-section	Weight approx.
	[mm ²]	[g/m]
RK	0,50	9
RK	0,75	11
RK	1,00	14
RK	1,50	19
RK	2,50	29
RK	4,00	46
RK	6,00	64
RK	10,00	110
RK	16,00	178
RK-C	25,00	251
RK	25,00	277
RK-C	35,00	375
RK	35,00	370
RK-C/12,6	50,00	498
RK-C/13,5	50,00	510
RK-C/14,2	50,00	553
RK	50,00	515
RK	70,00	709
RK	95,00	946

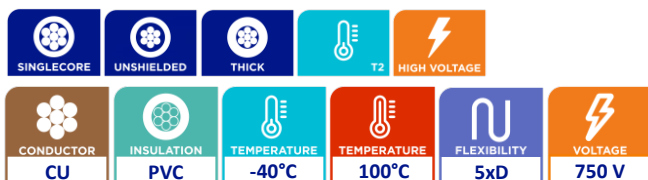


RXKB 750V

-40°C to 100°C



COFICAB



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
Insulation material: XPO E-beam cross-linked
Sheath: plasticized PVC

TECHNICAL DATA

Voltage level: 750V
Temperature range: -40°C to 100°C/3000h
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

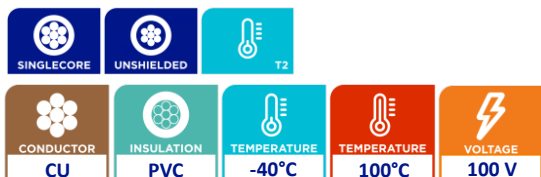
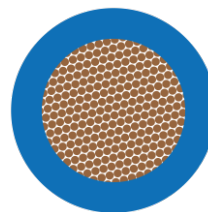
1. Similar to Volvo 1058473 005

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Insulation		Sheath		According to the Standard
	Cross-section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter nom.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
RXKB	16,00	126 x 041	5,3	1,21	0,53	6,7	0,58	8,1 – 8,5	1
RXKB	25,00	196 x 0,41	6,5	0,78	0,53	7,9	0,58	9,5 – 9,9	1
RXKB	35,00	276 x 0,41	7,9	0,554	0,53	9,3	0,58	10,6 – 11,2	1
RXKB	50,00	396 x 0,41	9,4	0,386	0,62	11,0	0,75	12,6 – 13,4	1
RXKB	70,00	360 x 0,51	10,7	0,272	0,62	12,3	1,26	15,0 – 15,8	1
RXKB	95,00	475 x 0,51	12,8	0,206	0,71	14,6	1,26	17,3 – 18,3	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
RXKB	16,00	180
RXKB	25,00	280
RXKB	35,00	360
RXKB	50,00	510
RXKB	70,00	700
RXKB	95,00	950

VR2

-40°C to 100°C



DESIGN

Conductor: CU ETP1 acc. to EN 13602, bare
Insulation material: Plasticized Polyvinyl chloride (PVC)
Flame resistance acc. to ECE R118

TECHNICAL DATA

Voltage level: 100V
temperature range: -40°C to 100°C

ACCORDING TO THE STANDARD

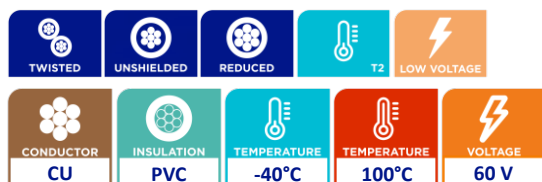
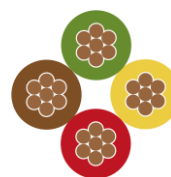
1. Scania STD 4117
2. Scania STD 4118
3. Scania TB1914
4. ECE R118
5. Volvo 1052521,5

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ø _{max.} [mm]	[mm]	[mΩ/m]	[mm]	[mm]	
VR2	0,35	12 x 0,21	0,8	54,4	0,24	1,5 -0,3	1, 2, 3, 4, 5
VR2	0,50	16 x 0,21	0,9	39,0	0,28	1,9 -0,3	1, 2, 3, 4, 5
VR2	0,75	24 x 0,21	1,1	26,0	0,28	2,1 -0,3	1, 2, 3, 4, 5
VR2	1,00	32 x 0,21	1,3	19,5	0,28	2,3 -0,3	1, 2, 3, 4, 5
VR2	1,50	30 x 0,26	1,6	13,3	0,28	2,6 -0,3	1, 2, 3, 4, 5
VR2	2,50	50 x 0,26	2,1	7,98	0,28	3,0 -0,3	1, 2, 3, 4, 5
VR2	4,00	56 x 0,31	2,5	4,95	0,32	3,8 -0,3	1, 2, 3, 4, 5
VR2	6,00	84 x 0,31	3,2	3,30	0,36	4,5 -0,35	1, 2, 3, 4, 5
VR2	10,00	80 x 0,41	4,2	1,91	0,48	6 -0,8	1, 2, 3, 4, 5
VR2	16,00	126 x 0,41	5,3	1,21	0,52	7,9 -1,0	1, 2, 3, 4, 5
VR2	25,00	196 x 0,41	6,9	0,78	0,52	9,4 -1,4	1, 2, 3, 4

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
VR2	0,35	6
VR2	0,50	8
VR2	0,75	10
VR2	1,00	12
VR2	1,50	17
VR2	2,50	27
VR2	4,00	42
VR2	6,00	64
VR2	10,00	106
VR2	16,00	170
VR2	25,00	278

VR2 Twisted

-40°C ... 100°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: plasticized PVC
Covering: reduced wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 100°C/3000h

ACCORDING TO THE STANDARD

1. Scania STD 4117
2. Scania STD 4118
3. Scania TB 1914
4. According client's specifications

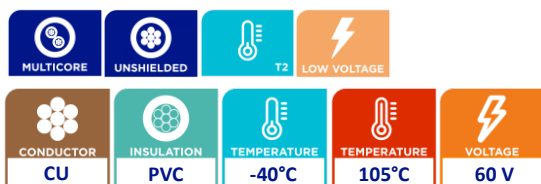
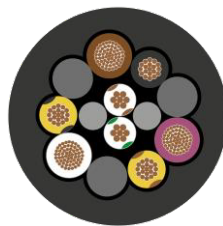
Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		Geometry		According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay lenght	Diameter approx.	
	[mm²]	N x Ømax.[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	
VR2 Twisted	4 x 0,75	24 x 0,21	1,1	26,0*	0,28*	1,8 – 2,1	25 ± 3	4,7	1, 2, 3, 4

*For the single wire not twisted

Type	Cable type			
	Cross-section	Lay length	Color	Weight approx.
	[mm²]			[g/m]
VR2 Twisted	4 x 0,75	25 ± 3	According to the order	40

FL(9Y+RY+U7Y)YW

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x0,35mm²): PP low halogenated
 Insulation material (0,50mm²): plasticized PVC
 Insulation material (1,00mm²): ETFE
 Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 105°C/3000h
 Test voltage: eff. 5.0 kV spark test
 RBus = max. 20 mΩ/m
 CBus = max. 160 pF/m
 Ci = max. 100 pF/m
 Cd = max. 50 pF/m

ACCORDING TO THE STANDARD

- WABCO 811 518 004 6
- According client's specifications

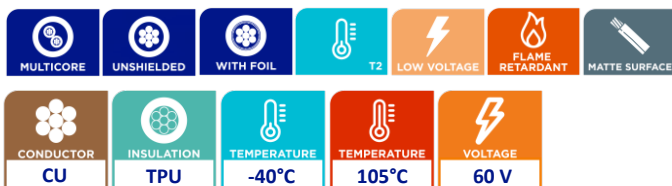
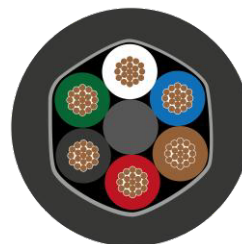
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	*Bare max. (single wires)	*Wall thickness min.	*Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL(9Y+RY+U7Y)YW	2 x 0,35 (Pair)	7 x 0,26	0,8	54,4	0,35	1,8 -0,2	40 ±5	-	-	1, 2
	0,50	16 x 0,21	1,0	37,1	0,22	1,6 -0,2	-	-	-	
	1,00	19 x 0,26	1,35	18,5	0,16	1,8 -0,2	-	-	-	
	2 x Filler	-	-	-	-	1,05 -0,1	-	-	-	
	3 x Filler	-	-	-	-	1,80 -0,2	-	-	-	
	(2x0,35)+[3x0,50]+[3x1,00]	-	-	-	-	-	110 ±10	0,58	8,3 ± 0,2	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FL(9Y+RY+U7Y)YW	(2x0,35)+[3x0,50]+[3x1,00]	BK_(WH/GN-WH/BN-[BK-YE/BN-YE/BK])-[BN-PK-WH]	112

FL(U)2X11Y FR

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: XPE E-beam cross-linked
 Jacket Material: Polyurethane (TPU)
 flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C / 3000h
 Characteristic Impedance: $120 \pm 12 \Omega$
 Resistance: $\leq 50 \text{ m}\Omega/\text{m}$
 Capacitance: $\leq 75 \text{ pF/m}$

CONSTRUCTION

Polyurethane jacketed cable with twisted XPE E-beam cross-linked single cores and PET foil.

ACCORDING TO THE STANDARD

1. According client's specifications
2. WABCO 811 519 182 6

APPLICATION

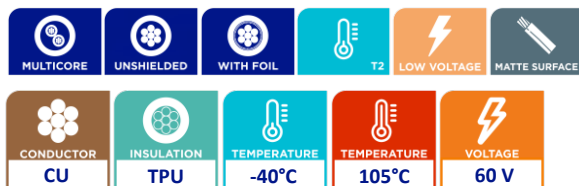
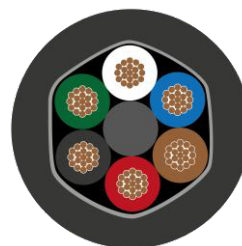
Cable for sensor applications and control cables.

Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm²]	N x Ø max. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL(U)2X11Y FR	6 x 0,50	19 x 0,19	1,1	37,1	0,12	1,33 -0,1	35 ±3	0,56	5,4 ±0,2	1, 2
	Filler	-	-	-	-	1,33 -0,1				

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FL(U)2X11Y FR	6 x 0,50	BK_WH-BU-RD-BK-GN-BN	53

FL(U)2X11Y NFR

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: XPE E-beam cross-linked
 Jacket Material: Polyurethane (TPU)
 not flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 105°C/3000h

CONSTRUCTION

Polyurethane jacketed cable with twisted XPE E-beam cross-linked single cores and PET foil.

APPLICATION

Cable for sensor applications and control cables.

ACCORDING TO THE STANDARD

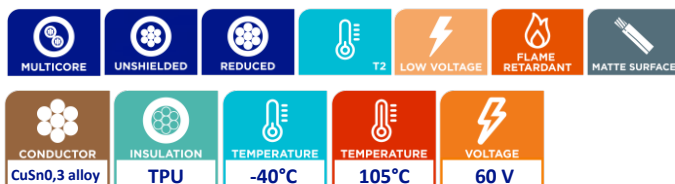
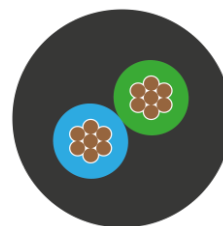
1. According client's specifications
2. Based on WABCO 811 519 011 6

Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL(U)2X11Y NFR	6 x 0,50	19 x 0,19	1,1	37,1	0,12	1,33 -0,1	35 ±3	0,56	5,6 -0,4	1, 2
	Filler	-	-	-	-	1,33 -0,1				

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FL(U)2X11Y NFR	6 x 0,50	BK_WH-BU-RD-BK-GN-BN	53

FLCuSn03RY11Y FR

-40°C ... 105°C



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: plasticized PVC
Reduced wall thickness

Jacket Material: Thermoplastic polyurethane TPU
flame retardant
Matte surface

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 105°C/3000h

CONSTRUCTION

Thermoplastic polyurethane TPU jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

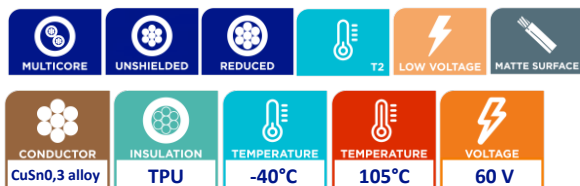
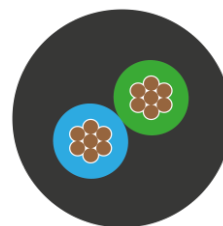
1. According client's specifications
2. Based on WABCO 811 519 010 6

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
FLCuSn03RY11Y FR	2 x 0,35	19 x 0,16	0,8	80	0,2	1,4 -0,2	30 ± 3	0,56	4,15 -0,3

Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLCuSn03RY11Y FR	2 x 0,35	According to the order

FLCuSn03RY11Y NFR

-40°C ... 105°C



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: plasticized PVC
Reduced wall thickness

Jacket Material: Thermoplastic polyurethane TPU
not flame retardant
Matte surface

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 105°C/3000h

CONSTRUCTION

Thermoplastic polyurethane TPU jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

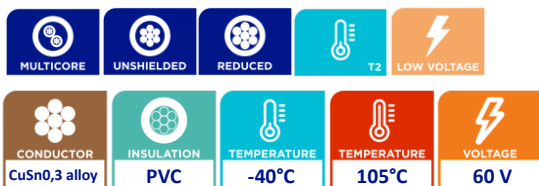
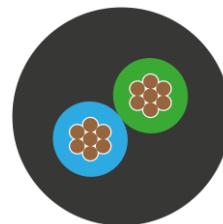
1. According client's specifications
2. Based on WABCO 811 519 010 6

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
FLCuSn03RY11Y NFR	2 x 0,35	19 x 0,16	0,8	80	0,2	1,4 -0,2	30 ± 3	0,56	4,15 -0,3

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLCuSn03RY11Y NFR	2 x 0,35	According to the order	20

FLCuSn03RYY

-40°C ... 105°C



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: plasticized PVC
Reduced wall thickness

Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V

Temperature range: -40°C ... 105°C/3000h

CONSTRUCTION

Plasticized PVC jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

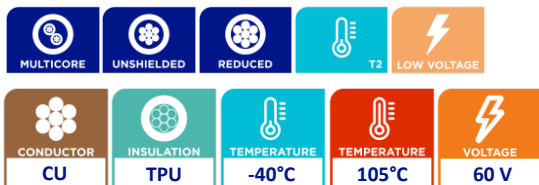
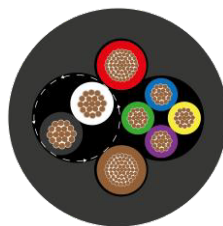
1. According client's specifications

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter
	[mm²]	N x Ø max. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
FLCuSn03RYY	2 x 0,35	19 x 0,16	0,8	68	0,2	1,30 -0,1	30 ± 5	0,5	4,4 -0,4

Cable type		
Cross-section	Color	Weight approx.
[mm²]		[g/m]
2 x 0,35	According to the order	-

FLR(Y+2X)11Y

-40°C ... 105°C



DESIGN

Conductor:

Insulation material (2x0,50mm²):

Insulation material (0,50mm²):

Insulation material (1,50mm²):

Jacket Material:

CU ETP1 according to EN13602

XPE E-beam cross-linked

plasticized PVC

plasticized PVC

Polyurethane (TPU)

CONSTRUCTION

TPU jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

TECHNICAL DATA

Voltage level:

60V

Temperature range:

-40°C ... 105°C/3000h

ACCORDING TO THE STANDARD

1. WABCO 884 053 102 6
2. According client's specifications

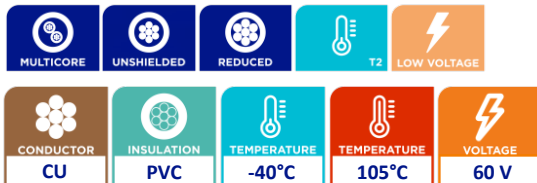
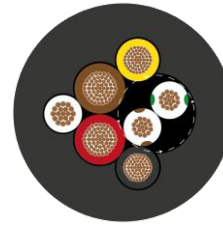
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	*Bare max. (single wires)	*Wall thickness min.	*Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR(Y+2X)11Y	0,50	16 x 0,21	1,0	37,1	0,22	1,6 -0,1	-	-	-	1, 2
	2x0,50 (Pair)	16 x 0,21	1,0	37,1	0,22	2,1 -0,2	33 ±3	-	-	
	1,50	30 x 0,26	1,8	12,7	0,24	2,4 -0,2	-	-	-	
	2x1,50+4x0,50+2x0,50	-	-	-	-	-	100 ±10	0,6	9,3 -0,6	

(*) For the single wire not twisted

Cable type		
Type	Cross-section	Weight approx.
	[mm ²]	[g/m]
FLR(Y+2X)11Y	2x1,50+4x0,50+2x0,50	106

FLR(Y+2X)YW

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (0,75mm²): plasticized PVC
 Insulation material (2x0,75mm²): XPE E-beam cross-linked
 Insulation material (1,00mm²): plasticized PVC
 Insulation material (1,50mm²): plasticized PVC
 Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C / 3000h
 Test voltage: eff. 5.0 kV spark test
 RBus = max. 26 mΩ/m
 CBus = max. 160 pF/m
 Ci = max. 100 pF/m
 Cd = max. 50 pF/m

CONSTRUCTION

PVC jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

1. WABCO 811 518 020 6
2. According client's specifications

APPLICATION

Jacketed cable for sensor applications and control cable.

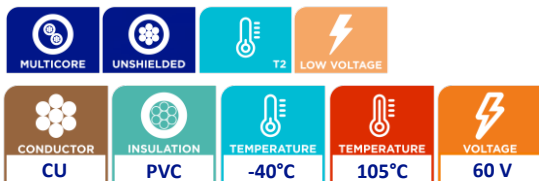
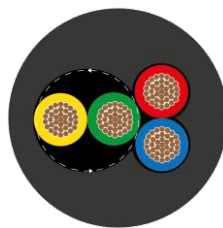
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	Bare max. (single wires)	*Wall thickness min.	*Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR(Y+2X)YW	0,75	24 x 0,21	1,2	*24,7	0,24	1,9 -0,2	-	-	-	1, 2
	2 x 0,75 (Pair)	24 x 0,21	1,2	26	0,24	2,3 -0,2	40 ±5	-	-	
	1,00	32 x 0,21	1,35	*18,5	0,24	2,1 -0,2	-	-	-	
	1,50	30 x 0,26	1,70	*12,7	0,24	2,4 -0,2	-	-	-	
	(2x1,5)+(2x1,0)+0,75+(2x0,75)	-	-	-	-	-	80 ±10	0,75	10,2 -0,6	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR(Y+2X)YW	(2x1,5)+(2x1,0)+0,75+(2x0,75)	BK_(RD-BN)-(BK-YE)-WH-(WH/GN-WH/BN)	165

FLR(Y+9Y)Y

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x0,75mm²): PP low halogenated
 Insulation material (0,75mm²): plasticized PVC
 Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 105°C/3000h
 Min. bending radius: 5xD (static)
 Ci = max. 74 pF/m
 Cd = max. 37 pF/m

CONSTRUCTION

PVC jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

1. According client's specifications

APPLICATION

Jacketed cable for sensor applications and control cable.

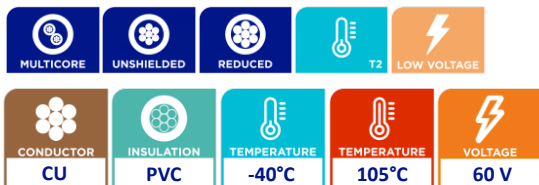
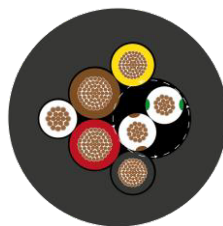
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C) *Bare max. (single wires) [mΩ/m]	Geometry			Geometry		According to the Standard
	Cross-section	Construction Aufbau	Diameter max.		*Wall thickness min.	*Diameter	Lay length max.	Wall thickness min.	Diameter	
	[mm ²]	N x Ømax.[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	
FLR(Y+9Y)Y	2x0,75 (Pair)	24 x 0,21	1,3	24,7	0,30	2,00 -0,1	50	-	-	1
	0,75	24 x 0,21	1,3	24,7	0,24	1,90 -0,1	-	-	-	
	2x0,75+(2x0,75)	-	-	-	-	-	100	0,8	8,3 -0,6	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR(Y+9Y)Y	2x0,75+(2x0,75)	According to the order	-

FLR(Y+Y+2X)YW

-40°C ... 105°C



DESIGN

Conductor:

Insulation material (2x1,00mm²):

Insulation material (1,50mm²):

Insulation material (4,00mm²):

Jacket Material:

CU ETP1 according to EN13602

XPE E-beam cross-linked,
zero halogen, flame retardant
plasticized PVC
plasticized PVC
plasticized PVC

TECHNICAL DATA

Voltage level:

Temperature range:

Test voltage:

60V

-40°C ... 105°C/3000h

eff. 5.0 kV spark test

CONSTRUCTION

PVC jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

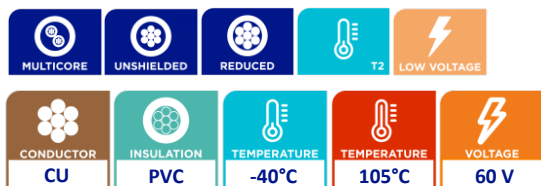
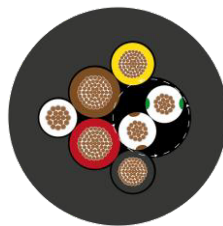
1. According client's specifications

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		
	Cross-section	Construction	Diameter max.	Bare max. (single wires)	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
FLR(Y+Y+2X)YW	2 x 1,00 (Pair)	32 x 0,21	1,35	18,5	0,24	2,4 -0,2	45 ±5	-	-
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-
	2x4,00 + 3x1,50 + 2x1,00	-	-	-	-	-	160 ±10	1,0	11,8 -0,6

Cable type		
Type	Cross-section	Weight approx.
	[mm ²]	[g/m]
FLR(Y+Y+2X)YW	2x4,00 + 3x1,50 + 2x1,00	-

FLR(Y+Y+9Y)YW

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x1,00mm²): PP low halogenated
 Insulation material (2x0,75mm²): PP low halogenated
 Insulation material (1,50mm²): plasticized PVC
 Insulation material (4,00mm²): plasticized PVC
 Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C / 3000h
 Test voltage: eff. 5.0 kV spark test
 RBus = max. 20 mΩ/m (2x1,00mm²)
 CBus = max. 160 pF/m (2x1,00mm²) and (2x0,75mm²)
 Ci = max. 100 pF/m (2x1,00mm²) and (2x0,75mm²)
 Cd = max. 50 pF/m (2x1,00mm²) and (2x0,75mm²)

CONSTRUCTION

PVC jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. WABCO 811 518 003 6
2. According client's specifications

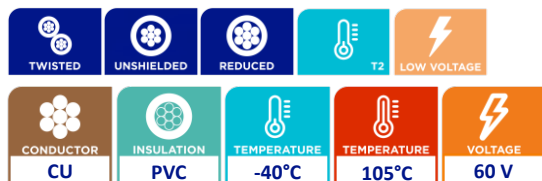
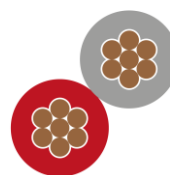
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C)	Geometry			Geometry		
	Cross-section	Construction	Diameter max.	Bare max. (After twisted) [mΩ/m]	*Wall thickness min. [mm]	*Diameter [mm]	Lay length [mm]	Wall thickness min. [mm]	Diameter [mm]	According to the Standard
					[mm²]	N x Ømax.[mm]	[mm]	[mm]	[mm]	
FLR(Y+Y+9Y)YW	2x0,75 (Pair)	24 x 0,21	1,30	25,1	-	2,3 -0,2	45 ±5	-	-	1, 2
	1,50	30 x 0,26	1,70	12,9	0,24	2,4 -0,2	-	-	-	
	5x1,5 + (2x0,75)	-	-	-	-	-	155 ±10	1,0	11,9 -0,4	
FLR(Y+Y+9Y)YW	2x1,00 (Pair)	32 x 0,21	1,35	18,5	0,24	2,4 -0,2	40 ±5	-	-	1, 2
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-	
	2x4,0 + 3x1,5 + (2x1,0)	-	-	-	-	-	150 ±10	1,0	11,8 -0,6	
FLR(Y+Y+9Y)YW	2x0,75 (Pair)	24 x 0,21	1,30	25,1	-	2,3 -0,2	45 ±5	-	-	2
	1,50	30 x 0,26	1,70	12,9	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,80	4,8	0,32	3,7 -0,3	-	-	-	
	2x4.0 + 3x1.5+ (2x0,75)	-	-	-	-	-	155 ±10	1.0	11,9 -0,4	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR(Y+Y+9Y)YW	5x1,5 + (2x0,75)	BK_[RD-BN-WH-BK-YE]-(WH/GN-WH-BN)	215
FLR(Y+Y+9Y)YW	2x4,0 + 3x1,5 + (2x1,0)	BK_[RD-BN]-(WH-BK-YE)-(WH/GN-WH-BN)	250
FLR(Y+Y+9Y)YW	2x4,0 + 3x1,5 + (2x0,75)	BK_[RD-BN]-(WH-BK-YE)-(WH/GN-WH-BN)	246

FLRY twisted A 655 540 00 27

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN 13602
Insulation material: PVC plasticized
Covering: Reduced wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 105°C/3000h

CONSTRUCTION

Twisted PVC single cores. Lay length according to the table.

APPLICATION

Twisted cable for sensor applications and low-speed bus.

ACCORDING TO THE STANDARD

1. MBN 50112 class B and MBN 50122
2. Daimler drawing A 655 540 00 27
3. Similar Daimler drawing A 655 540 00 27

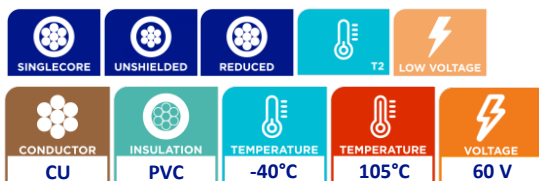
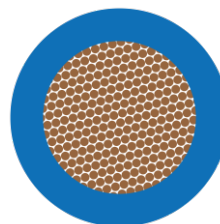
Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	Lay Count	Diameter approx.	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[1/m]	[mm]	
FLRY	2 x 0,35-A	7 x 0,26	0,80	52,0	0,20	1,3 -0,1	25 ±3	40	2,6	1, 2
FLRY	2 x 0,35-B	12 x 0,21	0,90	52,0	0,20	1,4 -0,2	25 ±3 / 20 ±2	40 / 50	2,6	1, 3
FLRY	2 x 0,50-A	19 x 0,19	1,0	37,1	0,22	1,6 -0,2	25 ±3	40	3,2	1, 2
FLRY	3 x 0,50-A	19 x 0,19	1,0	37,1	0,22	1,6 -0,2	33 ±3 / 25 ±3	30 / 40	3,4	1, 2
FLRY	4 x 0,50-A	19 x 0,19	1,0	37,1	0,22	1,6 -0,2	33 ±3 / 25 ±3	30 / 40	3,4	1, 2
FLRY	2 x 0,50-B	16 x 0,21	1,0	37,1	0,22	1,6 -0,2	25 ±3	40	3,2	1, 3
FLRY	3 x 0,50-B	16 x 0,21	1,0	37,1	0,22	1,6 -0,2	33 ±3 / 25 ±3	30 / 40	3,4	1, 3
FLRY	4 x 0,50-B	16 x 0,21	1,0	37,1	0,22	1,6 -0,2	33 ±3 / 25 ±3	30 / 40	3,4	1, 3
FLRY	2 x 0,75-A	19 x 0,23	1,2	24,7	0,24	1,9 -0,2	33 ±3 / 25 ±3	30 / 40	3,8	1, 2
FLRY	3 x 0,75-A	19 x 0,23	1,2	24,7	0,24	1,9 -0,2	33 ±3 / 25 ±3	30 / 40	4,0	1, 2
FLRY	4 x 0,75-A	19 x 0,23	1,2	24,7	0,24	1,9 -0,2	33 ±3	30	4,0	1, 2
FLRY	2 x 0,75-B	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	33 ±3 / 25 ±3	30 / 40	3,8	1, 3
FLRY	3 x 0,75-B	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	33 ±3 / 25 ±3	30/40	4,0	1, 3
FLRY	4 x 0,75-B	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	33 ±3	30	4,0	1, 3
FLRY	2 x 1,00-A	19 x 0,26	1,35	18,5	0,24	2,1 -0,2	33 ±3 / 25 ±3	30 / 40	4,2	1, 2
FLRY	3 x 1,00-A	19 x 0,26	1,35	18,5	0,24	2,1 -0,2	33 ±3	30	4,5	1, 2
FLRY	4 x 1,00-A	19 x 0,26	1,35	18,5	0,24	2,1 -0,2	33 ±3	30	4,5	1, 2
FLRY	2 x 1,00-B	32 x 0,21	1,4	18,5	0,24	2,1 -0,2	33 ±3 / 25 ±3	30 / 40	4,2	1, 3
FLRY	3 x 1,00-B	32 x 0,21	1,4	18,5	0,24	2,1 -0,2	33 ±3	30	4,5	1, 3
FLRY	4 x 1,00-B	32 x 0,21	1,4	18,5	0,24	2,1 -0,2	33 ±3	30	4,5	1, 3
FLRY	2 x 1,50-A	19 x 0,32	1,7	12,7	0,24	2,4 -0,2	33 ±3	30	4,8	1, 2
FLRY	2 x 1,50-B	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	33 ±3	30	4,8	1, 3
FLRY	2 x 2,50-A	19 x 0,41	2,2	7,6	0,28	3,0 -0,3	33 ±3	30	6,0	1, 2
FLRY	2 x 2,50-B	50 x 0,26	2,2	7,6	0,28	3,0 -0,3	33 ±3	30	6,0	1, 3

Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	Lay Count	Diameter approx.	
	[mm²]	N x Ømax.[mm]	[mm]		[mm]	[mm]	[mm]	[1/m]	[mm]	
FLRY	2 x 0,75 + 2 x 1,50-A	19 x 0,23 19 x 0,32	1,2 1,7	24,7 12,7	0,24 0,24	1,9 -0,2 2,4 -0,2	33 ±3	30	-	1, 2
FLRY	2 x 0,75 + 2 x 1,50-B	24 x 0,21 30 x 0,26	1,2 1,7	24,7 12,7	0,24 0,24	1,9 -0,2 2,4 -0,2	33 ±3	30	-	1, 3
FLRY	2 x 0,75 + 2 x 2,50-A	19 x 0,23 19 x 0,41	1,2 2,2	24,7 7,6	0,24 0,28	1,9 -0,2 3,0 -0,3	33 ±3	30	-	1, 2
FLRY	2 x 0,75 + 2 x 2,50-B	24 x 0,21 50 x 0,26	1,2 2,2	24,7 7,6	0,24 0,28	1,9 -0,2 3,0 -0,3	33 ±3	30	-	1, 3

Cable type				
Type	Cross-section	Lay length	Color	Weight approx.
	[mm²]			[g/m]
FLRY	2 x 0,35-A	25 ±3	Acc. to the order	9
FLRY	2 x 0,35-B	20 ±2	Acc. to the order	9
FLRY	2 x 0,35-B	25 ±3	Acc. to the order	9
FLRY	2 x 0,50-A	25 ±3	Acc. to the order	14
FLRY	3 x 0,50-A	33 ±3	Acc. to the order	20
FLRY	3 x 0,50-A	25 ±3	Acc. to the order	20
FLRY	4 x 0,50-A	33 ±3	Acc. to the order	27
FLRY	4 x 0,50-A	25 ±3	Acc. to the order	27
FLRY	2 x 0,50-B	25 ±3	Acc. to the order	14
FLRY	3 x 0,50-B	33 ±3	Acc. to the order	20
FLRY	3 x 0,50-B	25 ±3	Acc. to the order	20
FLRY	4 x 0,50-B	33 ±3	Acc. to the order	27
FLRY	4 x 0,50-B	25 ±3	Acc. to the order	27
FLRY	2 x 0,75-A	33 ±3	Acc. to the order	18
FLRY	2 x 0,75-A	25 ±3	Acc. to the order	18
FLRY	3 x 0,75-A	33 ±3	Acc. to the order	28
FLRY	3 x 0,75-A	25 ±3	Acc. to the order	28
FLRY	4 x 0,75-A	33 ±3	Acc. to the order	37
FLRY	2 x 0,75-B	33 ±3	Acc. to the order	18
FLRY	2 x 0,75-B	25 ±3	Acc. to the order	18
FLRY	3 x 0,75-B	33 ±3	Acc. to the order	28
FLRY	3 x 0,75-B	25 ±3	Acc. to the order	28
FLRY	4 x 0,75-B	33 ±3	Acc. to the order	37
FLRY	2 x 1,00-A	33 ±3	Acc. to the order	24
FLRY	2 x 1,00-A	25 ±3	Acc. to the order	24
FLRY	3 x 1,00-A	33 ±3	Acc. to the order	36
FLRY	4 x 1,00-A	33 ±3	Acc. to the order	48
FLRY	2 x 1,00-B	33 ±3	Acc. to the order	24
FLRY	2 x 1,00-B	25 ±3	Acc. to the order	24
FLRY	3 x 1,00-B	33 ±3	Acc. to the order	36
FLRY	4 x 1,00-B	33 ±3	Acc. to the order	48
FLRY	2 x 1,50-A	33 ±3	Acc. to the order	34
FLRY	2 x 1,50-B	33 ±3	Acc. to the order	34
FLRY	2 x 2,50-A	33 ±3	Acc. to the order	54
FLRY	2 x 2,50-B	33 ±3	Acc. to the order	54
FLRY	2 x 0,75 + 2 x 1,50-A	23 ±3	A 001 540 28 27	53
FLRY	2 x 0,75 + 2 x 1,50-A	33 ±3	A 001 540 29 27	53
FLRY	2 x 0,75 + 2 x 1,50-B	23 ±3	A 001 540 28 27	53
FLRY	2 x 0,75 + 2 x 1,50-B	33 ±3	A 001 540 29 27	53
FLRY	2 x 0,75 + 2 x 2,50-A	33 ±3	Acc. to the order	72
FLRY	2 x 0,75 + 2 x 2,50-B	33 ±3	Acc. to the order	72

FLRY-A / FLRY-B MAN

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: Plasticized PVC
Covering: Reduced Wall thickness

TECHNICAL DATA

Voltage level: 60 V
Temperature range: -40°C ... 105°C/3000h

ACCORDING TO THE STANDARD

1. MAN Truck & Bus AG M3135:2011-02

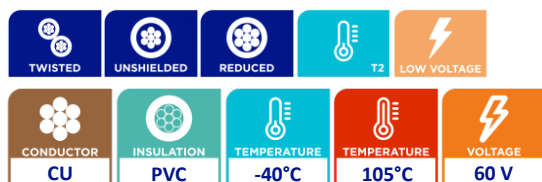
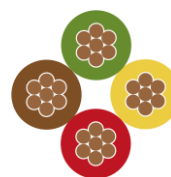
Type	Conductor					Core		
	Geometry			Resistance (20°C)		Geometry		According to the Standard
	Cross-Section	Constructio	Diameter max.	Bare max.	Tinned max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mΩ/m]	[mm]	[mm]	
FLRY-A MAN FLRY-B MAN	0,35	7 x 0,26 12 x 0,21	0,8 0,9	52,0	-	0,20	1,3 -0,1 1,4 -0,2	1
FLRY-A MAN FLRY-B MAN	0,50	19 x 0,19 16 x 0,21	1,0	37,1	-	0,22	1,6 -0,1 1,6 -0,2	1
FLRY-A MAN FLRY-B MAN	0,75	19 x 0,23 24 x 0,21	1,2	24,7	-	0,24	1,8 -0,1 1,9 -0,2	1
FLRY-A MAN FLRY-B MAN	1,00	19 x 0,26 32 x 0,21	1,35	18,5	-	0,24	2,0 -0,1 2,1 -0,2	1
FLRY-A MAN FLRY-B MAN	1,50	19 x 0,32 30 x 0,26	1,7	12,7	-	0,24	2,3 -0,1 2,4 -0,2	1
FLRY-A MAN FLRY-B MAN	2,50	19 x 0,41 50 x 0,26	2,2	7,6	-	0,28	2,9 -0,2 3,0 -0,3	1
FLRY-B MAN	4,00	56 x 0,31	2,75	4,7	-	0,32	3,7 -0,3	1
FLRY-B MAN	6,00	84 x 0,31	3,4	3,1	-	0,32	4,3 -0,3	1
FLRY-B MAN	10,00	80 x 0,41	4,4	1,82	-	0,48	5,7 -0,6	1
FLRY-B MAN	16,00	126 x 0,41	5,5	1,16	-	0,52	6,9 -0,6	1
FLRY-B MAN	25,00	196 x 0,41	7,0	0,74	-	0,52	8,3 -0,6	1
FLRY-B MAN	35,00	276 x 0,41	8,4	0,527	-	0,52	9,7 -0,6	1
FLRY-B MAN	50,00	396 x 0,41	9,4	0,368	-	0,8	11,5 -0,4	1
FLRY-B MAN	70,00	360 x 0,51	11,5	0,259	-	0,8	13,85 -0,5	1
FLRY-B MAN	95,00	475 x 0,51	13,6	0,196	-	0,9	16,25 -0,5	1
FLRY-B MAN	120,00	608 x 0,51	14,6	0,153	-	1,1	17,6 -0,6	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm ²]	[g/m]
FLRY-A MAN FLRY-B MAN	0,35	4,5
FLRY-A MAN FLRY-B MAN	0,5	6
FLRY-A MAN FLRY-B MAN	0,75	9
FLRY-A MAN FLRY-B MAN	1,0	11
FLRY-A MAN FLRY-B MAN	1,5	16
FLRY-A MAN FLRY-B MAN	2,5	25
FLRY-B MAN	4,0	41
FLRY-B MAN	6,0	60
FLRY-B MAN	10,0	102
FLRY-B MAN	16,0	156
FLRY-B MAN	25,0	240
FLRY-B MAN	35,0	337
FLRY-B MAN	50,0	477
FLRY-B MAN	70,0	682
FLRY-B MAN	95,0	922
FLRY-B MAN	120,0	1171



FLRY MAN twisted

-40°C to 105°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: PVC plasticized
Covering: Reduced wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 105°C / 3000h

CONSTRUCTION

Twisted PVC single cores. Lay length according to the table.

APPLICATION

Twisted cable for sensor applications and low-speed bus.

ACCORDING TO THE STANDARD

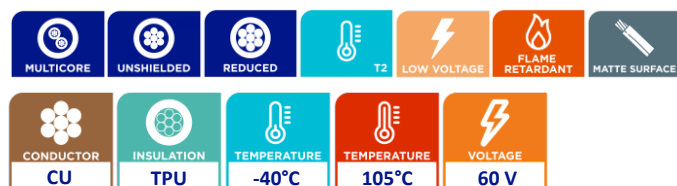
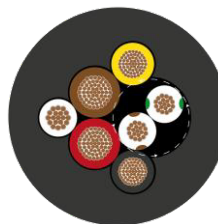
- MAN Truck & Bus AG M3135:2020-09
- According client's specifications

Type	Conductor				Core			
	Geometry			Resistance (20°C)	Geometry			According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	
	[mm²]	N x Ømax.[mm]	[mm]	Bare max. [mΩ/m]	[mm]	[mm]	[mm]	
FLRY-A MAN	2 x 0,35	7 x 0,26	0,9	52,0	0,20	1,2 – 1,3	28 ±3	1, 2
FLRY-A MAN	2 x 0,50	19 x 0,19	1,1	37,1	0,22	1,4 – 1,6	30 ±5	1
FLRY-A MAN	4 x 0,50	19 x 0,19	1,1	37,1	0,22	1,4 – 1,6	28 ±3	1, 2
FLRY-A MAN	2 x 0,75	19 x 0,23	1,3	24,7	0,24	1,7 – 1,9	30 ±5	1
FLRY-A MAN	4 x 0,75	19 x 0,23	1,3	24,7	0,24	1,7 – 1,9	28 ±3	1, 2
FLRY-B MAN	4 x 0,75	24 x 0,21	1,3	24,7	0,24	1,7 – 1,9	28 ±3	1, 2
FLRY-A MAN	2 x 1,00	19 x 0,26	1,5	18,5	0,24	1,9 – 2,1	30 ±5	1
FLRY-A MAN	4 x 1,00	19 x 0,26	1,5	18,5	0,24	1,9 – 2,1	28 ±3	1, 2
FLRY-A MAN	2 x 1,50	19 x 0,32	1,8	12,7	0,24	2,2 – 2,4	30 ±5	1
FLRY-B MAN	2 x 1,50	30 x 0,26	1,8	12,7	0,24	2,2 – 2,4	25 ±3	1, 2

Cable type				
Type	Cross-section	Lay length	Color	Weight approx.
	[mm²]			[g/m]
FLRY-A MAN	2 x 0,35	28 ±3	Acc. to the order	9
FLRY-A MAN	2 x 0,50	30 ±5	Acc. to the order	13
FLRY-A MAN	4 x 0,50	28 ±3	Acc. to the order	26
FLRY-A MAN	2 x 0,75	30 ±5	Acc. to the order	18
FLRY-A MAN	4 x 0,75	28 ±3	Acc. to the order	36
FLRY-B MAN	4 x 0,75	28 ±3	Acc. to the order	36
FLRY-A MAN	2 x 1,00	30 ±5	Acc. to the order	23
FLRY-A MAN	4 x 1,00	28 ±3	Acc. to the order	47
FLRY-A MAN	2 x 1,50	30 ±5	Acc. to the order	33
FLRY-B MAN	2 x 1,50	25 ±3	Acc. to the order	33

FLRY(9Y)11Y FR

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN13602

Insulation material (2x1,00mm²): PP low halogenated
 Insulation material (2x1,50mm²): PP low halogenated
 Insulation material (1,50mm²): plasticized PVC
 Insulation material (4,00mm²): plasticized PVC
 Jacket Material: Thermoplastic polyurethane TPU
 flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C / 3000h (for PVC)
 -40°C to 120°C / 3000h (for TPU)
 Test voltage: eff. 5.0 kV spark test
 Capacity of Twisted pair: 50 Pf

CONSTRUCTION

PUR jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

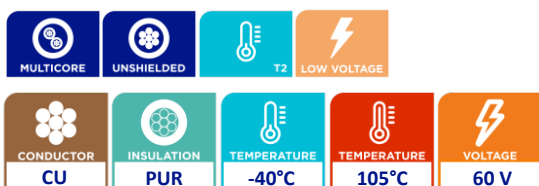
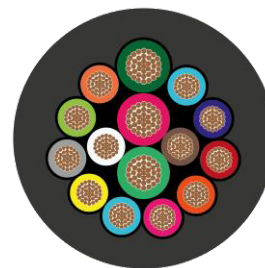
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.		*Bare max.	*Wall thickness min.	*Diameter	Lay length	Wall thickness nom.	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLRY(9Y)11Y FR	2x1,00 (Pair)	32 x 0,21	1,50	18,5	0,24	2,1 -0,2	50 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-	
	2x4,00+3x1,50+(2x1,00)	-	-	-	-	-	150 ±10	1,2	11,8 ±0,2	
FLRY(9Y)11Y FR Ø11,7	2x1,50 (Pair)	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	50 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-	
	2x4,00+3x1,50+(2x1,50)	-	-	-	-	-	150 ±10	0,8	11,7 ±0,2	
FLRY(9Y)11Y FR Ø12,2	2x1,50 (Pair)	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	50 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-	
	2x4,00+3x1,50+(2x1,50)	-	-	-	-	-	150 ±10	1,2	12,2 ±0,2	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLRY(9Y)11Y FR	2x4,00+3x1,50+(2x1,00)	According to the order	233
FLRY(9Y)11Y FR Ø11,7	2x4,00+3x1,50+(2x1,50)	According to the order	229
FLRY(9Y)11Y FR Ø12,2	2x4,00+3x1,50+(2x1,50)	According to the order	240

FLRY(9Y)11Y NFR

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (inner 2x1,50mm²): PP low halogenated
 Insulation material: PVC plasticized
 Jacket Material: PUR, not flame retardant

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 105°C/3000h
 Test voltage: eff. 5.0 kV spark test
 Capacity of Twisted pair: 50 pF

CONSTRUCTION

PUR jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

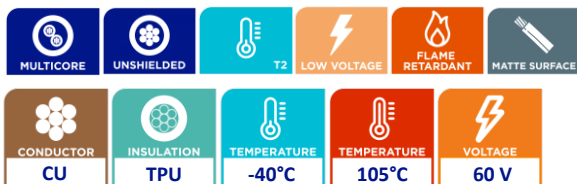
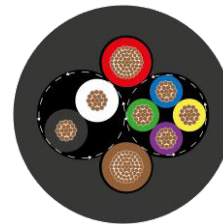
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.		*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness nom.	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLRY(9Y)11Y NFR	Inner 2x1,50 (Pair) + 2x2,50	-	-	-	-	-	60 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	2,50	50 x 0,26	2,2	7,60	0,28	3,0 -0,3	-	-	-	
	10x1,5+1x2,5 + (2x1.5+2x2.5)	-	-	-	-	-	200 ±10	0,8	14,1 -0,6	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLRY(9Y)11Y NFR	10x1,5+1x2,5 + (2x1,5+2x2,5)	According to the order	366

FLRY(Y)(2X)11Y FR

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (1,50mm²): plasticized PVC
 Insulation material (2x0,50mm²): XPE E-beam cross-linked
 Insulation material (4x0,50mm²): plasticized PVC
 Jacket Material: Polyurethane (TPU)
 flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 105°C/3000h
 Characteristic impedance (2x0,50mm²): 120 Ω ± 12
 Cb (2x0,50mm²): 40 pF/m
 LIN-BUS Capacitance (4x0,50mm²): 100 pF/m

CONSTRUCTION

TPU jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. Based on WABCO 811 518 021 6:2017-02-16
2. According client's specifications

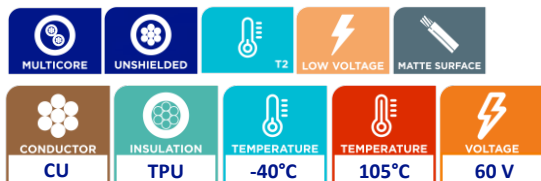
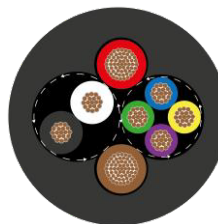
Type	Conductor				Core			Cable		
	Geometry			Resistance (20°C) *Bare max. (single wires) [mΩ/m]	Geometry			Geometry		
	Cross-section	Construction Aufbau	Diameter max.		*Wall thickness min.	*Diameter	Lay length	Wall thickness min.	Diameter	According to the Standard
	[mm²]	N x Ø max. [mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	
FLRY(Y)(2X)11Y FR	1,50	30 x 0,26	1,80	12,7	0,24	2,4 -0,2	-	-	-	1, 2
	2 x 0,50	16 x 0,21	1,00	37,1	0,32	2,1 -0,2	33 ±3	-	-	
	4 x 0,50	16 x 0,21	1,00	37,1	0,22	1,6 -0,2	60 ±5	-	-	
	2x1,50+(2x0,50)+(4x0,50)	-	-	-	-	-	120 ±10	0,6	9,3 -0,6	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx. [g/m]
	[mm²]		
FLRY(Y)(2X)11Y FR	2x1,50+(2x0,50)+(4x0,50)	According to the order	120

FLRY(Y)(2X)11Y NFR

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (1,50mm²): plasticized PVC
 Insulation material (2x0,50mm²): XPE E-beam cross-linked
 Insulation material (4x0,50mm²): plasticized PVC
 Jacket Material: Polyurethane (TPU)
 not flame retardant
 Matte surface

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C/3000h
 Characteristic impedance (2x0,50mm²): 120 Ω ± 12
 Cb (2x0,50mm²): ≤ 75 pF/m
 LIN-BUS Capacitance (4x0,50mm²): ≤ 100 pF/m cable for sensor applications and control cable.

CONSTRUCTION

TPU jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. Based on WABCO 811 518 021 6
2. According client's specifications

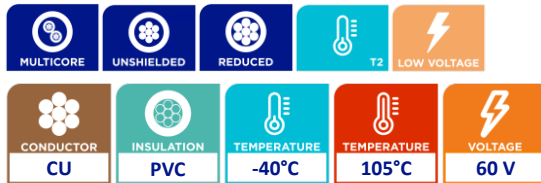
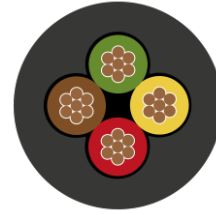
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness nom.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLRY(Y)(2X)11Y NFR	1,50	30 x 0,26	1,80	12,7	0,24	2,4 -0,2	-	-	-	1, 2
	2 x 0,50	16 x 0,21	1,00	37,1	0,32	2,1 -0,2	33 ±3	-	-	
	4 x 0,50	16 x 0,21	1,00	37,1	0,22	1,6 -0,2	60 ±5	-	-	
	2x1.50+(2x0.50)+(4x0.50)	-	-	-	-	-	120 ±10	0,6	9,3 ±0,3	

(*) For the single wire not twisted

Cable type					
Type	Cross-section	Color		Printing Type	Weight approx. [g/m]
	[mm ²]	Singles	Jacket		
FLRY(Y)(2X)11Y NFR	2x1,50+(2x0,50)+(4x0,50)	RD-BN-(WH-BK)-(BU-YE-VT-GN)	BK	Type 1	120
FLRY(Y)(2X)11Y NFR	2x1,50+(2x0,50)+(4x0,50)	RD-BN-(WH-BK)-(BU-YE-VT-GN)	BK	Type 2	120

FLRYY SH45

-40°C to 105°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: PVC plasticized
 Covering: Reduced wall thickness
 Jacket Material: PVC plasticized

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C / 3000h

CONSTRUCTION

PVC jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. MBN 50112 class B
2. ISO 14572
3. According client's specifications
4. WABCO 811 518 007 6
5. WABCO 811 518 008 6
6. WABCO 811 518 005 6
7. WABCO 811 518 009 6
8. WABCO 811 518 019 6
9. WABCO 811 518 015 6
10. WABCO 811 518 013 6
11. WABCO 811 518 014 6
12. WABCO 811 518 024 6
13. WABCO 811 518 010 6
14. Based on WABCO 811 519 276 6
15. Based on WABCO 811 519 831 6
16. WABCO 811 518 028 6

Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
FLRYY SH45	3 x 0,50	19 x 0,19	1,00	37,1	0,22	1,6 -0,2	44 ± 4	0,41	4,9 ± 0,15	
FLRYY SH45	6 x 0,75	19 x 0,24	1,20	24,7	0,24	1,9 -0,2	70 ± 7	0,48	6,7 ± 0,2	1, 2, 3
	Filler	-	-	-	-	As needed				
FLRYY SH45	2 x 1,00	32 x 0,21	1,50	18,5	0,24	2,1 -0,2	80 ± 8	0,58	5,5 ± 0,2	1, 2, 3, 5
FLRYY SH45	3 x 1,00	32 x 0,21	1,50	18,5	0,24	2,1 -0,2	30 ± 3	0,44	5,5 ± 0,2	1, 2, 3, 9
FLRYY SH45	4 x 1,00	32 x 0,21	1,50	18,5	0,24	2,1 -0,2	60 ± 6	0,60	6,5 ± 0,2	1, 2, 3, 8
FLRYY SH45	6 x 1,00	32 x 0,21	1,50	18,5	0,24	2,1 -0,2	80 ± 8	0,48	7,3 ± 0,2	1, 2, 3
	Filler	-	-	-	-	As needed				
FLRYY SH45	2 x 1,50	30 x 0,26	1,80	12,7	0,24	2,4 -0,2	70 ± 7	0,70	6,4 ± 0,2	1, 2, 3, 14
FLRYY SH45	3 x 1,50	30 x 0,26	1,80	12,7	0,24	2,4 -0,2	105 ± 5	0,50	6,4 ± 0,2	1, 2, 3, 13
FLRYY SH45	4 x 1,50	30 x 0,26	1,80	12,7	0,24	2,4 -0,2	100 ± 10	0,70	7,6 ± 0,25	1, 2, 3, 15
FLRYY SH45	2 x 1,00 + 3 x 0,50 +	32 x 0,21 16 x 0,21	1,50 1,10	18,5 37,1	0,24 0,22	2,1 -0,2 1,6 -0,2	85 ± 5	0,58	7,85 ± 0,25	1, 2, 3, 16
	Fillers	-	-	-	-	1,25 -0,1				
	5 x 1,00 + 3 x 0,50 +	32 x 0,21 16 x 0,21	1,50 1,10	18,5 37,1	0,24 0,22	2,1 -0,2 1,6 -0,2				
FLRYY SH45	2 Fillers	-	-	-	-	1,0 -0,1	90 ± 9	0,54	7,9 ± 0,2	1, 2, 3, 7

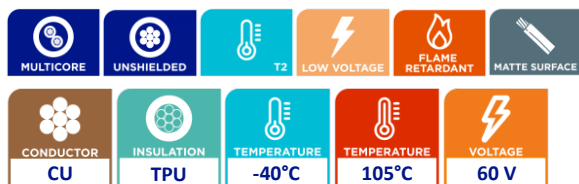
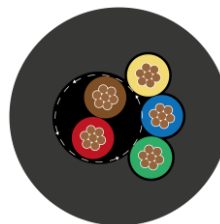
Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm ²]	N x Ømax.[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	
FLRYY SH45	2 x 1,50 + 2 x 0,50	48 x 0,2 28 x 0,15	1,80 1,00	12,7 37,1	0,24 0,22	2,4 -0,2 1,6 -0,2	90 ± 9	0,6	6,5 ± 0,2	2, 3, 12
FLRYY SH45	3 x 1,50 + 1 x 0,75	30 x 0,26 24 x 0,21	1,80 1,30	12,7 24,7	0,24 0,24	2,4 -0,2 1,9 -0,2	110 ± 10	0,7	7,6 ± 0,25	1, 2, 3, 11
FLRYY SH45	2 x 2,50 + 1 x 0,75	50 x 0,26 24 x 0,21	2,20 1,30	7,6 24,7	0,28 0,24	3,0 -0,3 1,9 -0,2	90 ± 5	0,75	7,6 ± 0,3	1, 2, 3, 4
FLRYY SH45	2 x 4,00 + 3 x 1,50	56 x 0,31 30 x 0,26	2,80 1,80	4,71 12,7	0,32 0,24	3,7 -0,3 2,4 -0,2	120 ± 10	1,0	10,2 ± 0,3	1, 2, 3, 6
	Filler	-	-	-	-	1,30 -0,1				

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLRYY SH45	3 x 0,50	BK_WH-YE-RD	38
FLRYY SH45	6 x 0,75	To be defined	80
FLRYY SH45	2 x 1,00	BK_BU-BN	48
FLRYY SH45	3 x 1,00	BK_BU-BN-YE/GN	55
FLRYY SH45	3 x 1,00	BK_BK-YE-WH	55
FLRYY SH45	4 x 1,00	BK_RD-BN-GN-YE	77
FLRYY SH45	6 x 1,00	To be defined	99
FLRYY SH45	2 x 1,50	BK_BU-BN	66
FLRYY SH45	3 x 1,50	BK_BU-BN-YE/GN	76
FLRYY SH45	4 x 1,50	BK_BU-RD-YE/GN-BN	105
FLRYY SH45	2 x 1,00 + (3 x 0,50)	BK_BK-BU-(BN-WH-RD)	93
FLRYY SH45	5 x 1,00 + (3 x 0,50)	BK_WH/BN-GN-YE-BN-WH/GN-(VT-BK-WH)	116
FLRYY SH45	2 x 1,50 + (2 x 0,50)	BK_RD-BK-(GN-YE)	75
FLRYY SH45	3 x 1,50 + (1 x 0,75)	BK_BU-RD-(WH/GN)-WH	100
FLRYY SH45	(2 x 2,50) + 1 x 0,75	BK_(RD-WH)-BU/BN	104
FLRYY SH45	2 x 4,00 + (3 x 1,50)	BK_BN-RD-(WH-BK-YE)	203



FLSY11Y FR

-40°C to 105°C



DESIGN

Conductor: CU class 5, bare, acc. IEC60228
 Insulation material: PVC plasticized
 Jacket Material: Thermoplastic polyurethane TPU, flame retardant
 Matte surface

CONSTRUCTION

Jacketed cable with twisted PVC single cores. TPU insulation for high flexibility and excellent mechanical properties.

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C

ACCORDING TO THE STANDARD

1. According client's specifications
2. Based on WABCO 811 519 525 6

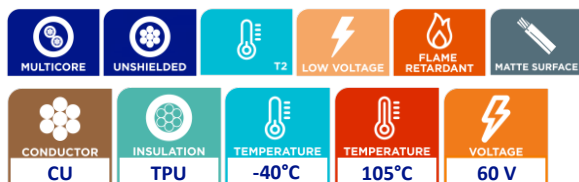
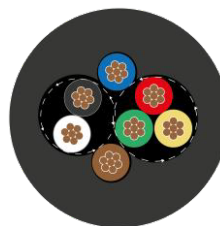
Type	Conductor			Core		Cable			According to the Standard
	Geometry		Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Bare max.	Wall thickness min.	Diameter	Lay length max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLSY11Y FR	2 x 0,50 (Pair)	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05	25	0,58	7,25 – 7,75	1, 2
	3 x 0,50	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05	-			
	3 x 0,50 + (2 x 0,50)	-	-	-	-	100			

⁽¹⁾Max. Electrical resistance after twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLSY11Y FR	3 x 0,50 + (2 x 0,50)	According to the order	68

FLSY11Y FR

-40°C to 105°C



DESIGN

Conductor: CU class 5, bare, acc. IEC60228
 Insulation material: PVC plasticized
 Jacket Material: Thermoplastic polyurethane TPU, flame retardant
 Matte surface

CONSTRUCTION

Jacketed cable with twisted PVC single cores. TPU insulation for high flexibility and excellent mechanical properties.

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C

ACCORDING TO THE STANDARD

1. According client's specifications
2. Based on WABCO 811 519 529 6

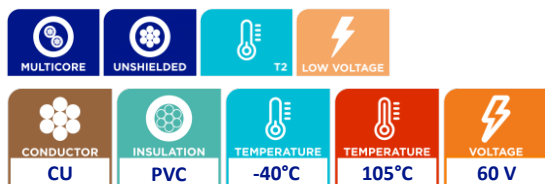
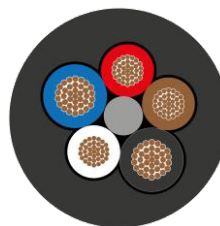
Type	Conductor			Core		Cable			
	Geometry		Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Bare max.	Wall thickness min.	Diameter	Lay length max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLSY11Y FR	2 x 0,50 (Pair)	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05	25	0,58	9,95 – 10,45	
	3 x 0,50 (Triple)	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05	35			
	2 x 0,50	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05	-			
	2x0,50+(2x0,50)+(3x0,50)	-	-	-	-	120			

⁽¹⁾Max. Electrical resistance after twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLSY11Y FR	2x0,50+(2x0,50)+(3x0,50)	BK_BN-BU-(BK-WH)-(RD-YE-GN)	108

FLSYY

-40°C to 105°C



DESIGN

Conductor: CU class 5, bare, acc. IEC60228
 Insulation material: PVC plasticized
 Jacket Material: PVC plasticized

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C

CONSTRUCTION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications
2. Based on WABCO 811 519 524 6

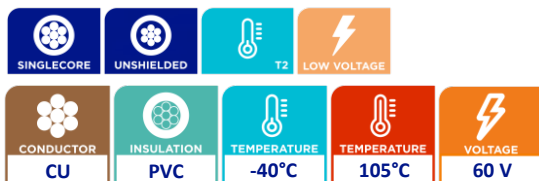
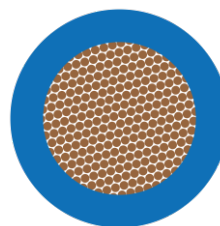
Type	Conductor			Core		Cable			According to the Standard
	Geometry		Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Bare max.	Wall thickness nom.	Diameter	Lay length max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLYY	3 x 1,50	30 x 0,26	12,7 13,3 ⁽¹⁾	0,35	2,4 – 2,7	125	0,58	8,65 – 9,15	1, 2
	4 x 0,50	16 x 0,21	37,1 39,0 ⁽¹⁾	0,35	1,85 – 2,05				

⁽¹⁾Max. Electrical resistance after twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLSYY	3 x 1,50 + 4 x 0,50	According to the order	133

FLY MAN

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: Plasticized PVC

TECHNICAL DATA

Voltage level: 60 V
Temperature range: -40°C ... 105°C/3000h

ACCORDING TO THE STANDARD

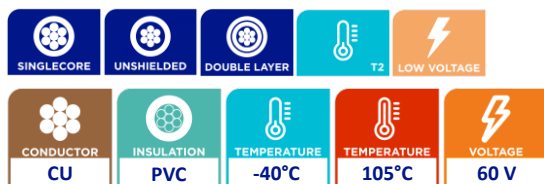
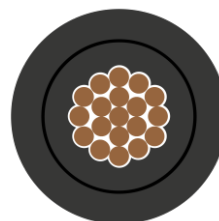
1. MAN Truck & Bus AG M3135:2011-02

Type	Conductor				Core		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLY MAN	4,00	56 x 0,31	2,8	4,71	0,62	4,4 -0,4	1
FLY MAN	6,00	84 x 0,31	3,4	3,14	0,62	5,0 -0,4	1
FLY MAN	10,00	80 x 0,41	4,5	1,82	0,8	6,5 -0,4	1
FLY MAN	16,00	126 x 0,41	6,3	1,16	0,8	8,3 -0,4	1
FLY MAN	25,00	196 x 0,41	7,8	0,743	1,07	10,4 -0,5	1
FLY MAN	35,00	276 x 0,41	9,0	0,527	1,07	11,6 -0,5	1
FLY MAN	50,00	396 x 0,41	10,5	0,368	1,25	13,5 -0,6	1
FLY MAN	70,00	360 x 0,51	12,5	0,259	1,25	15,5 -0,6	1
FLY MAN	95,00	475 x 0,51	14,8	0,196	1,34	18,0 -0,7	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
FLY MAN	4,00	42
FLY MAN	6,00	63
FLY MAN	10,00	110
FLY MAN	16,00	180
FLY MAN	25,00	270
FLY MAN	35,00	380
FLY MAN	50,00	500
FLY MAN	70,00	700
FLY MAN	95,00	1000

FLYKYK

-40°C ... 105°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: plasticized PVC
Jacket Material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 105°C/3000h
Thermal overload: 155°C short term

ACCORDING TO THE STANDARD

1. ISO 19642-3
2. DBL 6312 AA03
3. MBN 22004
4. Daimler Drawing A 673 546 00 14 (A 000 546 09 13)
5. Daimler Drawing A 673 546 00 14 (A 003 546 02 14)
6. Daimler Drawing A 673 546 00 14 (A 000 546 35 13)
7. Daimler Drawing A 673 546 00 14 (A 000 546 40 13)
8. Daimler Drawing A 673 546 00 14 (A 000 546 43 13)
9. Daimler Drawing A 673 546 00 14 (A 000 546 21 13)
10. Daimler Drawing A 673 546 00 14 (A 006 546 02 14)
11. Daimler Drawing A 673 546 00 14 (A 006 546 03 14)

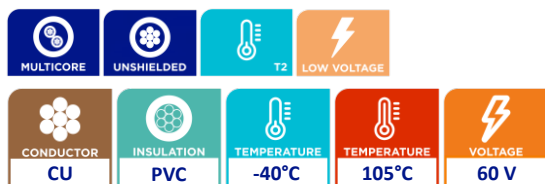
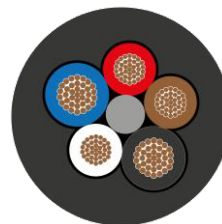
Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Geometry				According to the Standard
	Cross-section	Construction	Diameter max.		Bare max.	Wall thickness min.	Diameter (indicative value)	Wall thickness min	
				[mm²]					
FLYKYK	0,75	19 x 0,23	1,2	24,7	0,28	1,8 ±0,1	0,6 ±0,15	3,2 ±0,1	1, 6
FLYKYK	2,50	50 x 0,26	2,2	7,98	0,35	2,8 ±0,1	0,35	3,5 ±0,1	1, 7
FLYKYK	6,00	84 x 0,31	3,3	3,1	0,35	4,1 ±0,2	0,35	4,9 ±0,2	1, 8
FLYKYK	10,00	80 x 0,41	4,1	1,82	0,4	5,2 ±0,2	0,4	6,4 ±0,2	1, 9
FLYKYK	16,00	126 x 0,41	5,4	1,16	0,4	6,5 ±0,2	0,5	7,9 ±0,2	1, 4, 5
FLYKYK	25,00	196 x 0,41	7,8	0,743	0,52	8,1 ±0,2	0,52	10,0 ±0,4	1, 10
FLYKYK	35,00	276 x 0,41	9,0	0,527	0,52	9,3 ±0,2	0,52	11,2 ±0,4	1, 11
FLYKYK	70,00	2240 x 0,21	12	0,259	1,4	14,3 ±0,2	1,2	17,0 ±0,2	1, 2, 3
FLYKYK	95,00	2964 x 0,21	14,7	0,192	1,4	17,3 ±0,2	1,2	19,9 ±0,2	1, 2, 3

*± 5% tolerance

Type	Cable type	
	Cross-section	
	[mm²]	Weight Approx. [g/m]
FLYKYK	0,75	18
FLYKYK	2,50	31
FLYKYK	6,00	68
FLYKYK	10,00	116
FLYKYK	16,00	180
FLYKYK	25,00	282
FLYKYK	35,00	379
FLYKYK	70,00	830
FLYKYK	95,00	940

FLYY

-40°C to 105°C



DESIGN

Conductor: CU class 5, bare, acc. IEC60228
 Insulation material: PVC plasticized
 Jacket Material: PVC plasticized

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 105°C

CONSTRUCTION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications
2. Based on WABCO 811 519 245 6
3. Based on WABCO 811 519 220 6

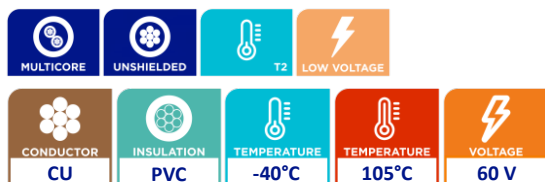
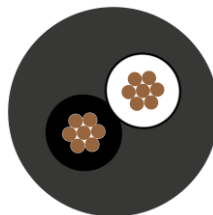
Type	Conductor			Core		Cable			According to the Standard
	Geometry		Resistance (20°C) Bare max.	Geometry		Geometry			
	Cross-section	Construction		Wall thickness nom.	Diameter	Lay length approx.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLYY	4 x 0,50	16 x 0,21	37,1 39,0 ⁽¹⁾	0,5	1,9 – 2,2	80	0,58	6,1 – 6,5	1, 3
FLYY	2 x 1,00	32 x 0,21	18,5 19,5 ⁽¹⁾	0,5	2,3 – 2,6	85	0,58	7,6 – 8,1	1, 2
	3 x 0,50	16 x 0,21	37,1 39,0 ⁽¹⁾	0,5	1,9 – 2,2				
	Filler	-	-	-	1,5 – 1,6				

⁽¹⁾Max. Electrical resistance after twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLYY	4 x 0,50	According to the order	60
FLYY	2 x 1,00 + 3 x 0,50	According to the order	94

FLYY ADR

-40°C to 105°C



DESIGN

Conductor: CU ETP1 acc. to EN 13602, Bare
Insulation material: PVC plasticized
Jacket Material: PVC plasticized

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 105°C

CONSTRUCTION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications
2. Similar to ISO 14572

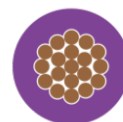
Type	Conductor			Core / Ader		Cable			According to the Standard
	Geometry		Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Bare max.	Wall thickness min./nom.	Diameter	Lay length approx.	Wall thickness min./nom.	Diameter	
	[mm²]	N x Ømax.[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLYY ADR	2 x 0,50	16 x 0,21	37,10	0,22/ 0,28	1,55 ± 0,05	40	0,66/ 0,85	4,80 ± 0,15	1, 2
FLYY ADR	2 x 0,75	24 x 0,21	24,70	0,44/ 0,66	2,30 ± 0,05	75	0,60/ 0,85	6,30 ± 0,30	1, 2
FLYY ADR	4 x 0,75	19 x 0,24	24,70	0,22/ 0,32	1,85 ± 0,05	100	0,86/ 1,06	6,60 ± 0,20	1, 2
FLYY ADR	6 x 0,75	24 x 0,21	24,70	0,44/ 0,60	2,30 ± 0,05	110	0,60/ 0,85	8,80 ± 0,40	1, 2
FLYY ADR	7 x 0,75	24 x 0,21	24,70	0,44 / 0,60	2,30 ± 0,05	110	0,60/ 0,95	8,80 ± 0,40	1,2
FLYY ADR	1,00	32 x 0,21	18,50	0,24/ 0,32	1,95 ± 0,05	-	-	-	1, 2
	2,00	28 x 0,31	9,42	0,28/ 0,36	2,60 ± 0,05	-	-	-	
	3 x 1,00 + 1 x 2,00	-	-	-	-	100	0,90/ 1,18	7,60 ± 0,40	
FLYY ADR	1,00	32 x 0,21	18,50	0,48/ 0,60	2,50 ± 0,05	-	-	-	1, 2
	2,00	28 x 0,31	9,42	0,28/ 0,36	2,60 ± 0,05	-	-	-	
	6 x 1,00 + 1 x 2,00	-	-	-	-	120	0,71/ 0,95	9,50 ± 0,40	
FLYY ADR	1,00	32 x 0,21	18,50	0,22/ 0,30	1,90 ± 0,05	-	-	-	1, 2
	2,00	28 x 0,31	9,42	0,28 /0,36	2,60 ± 0,05	-	-	-	
	7 x 1,00 + 1 x 2,00	-	-	-	-	120	0,80/ 1,05	8,50 ± 0,40	
FLYY ADR	1,00	32 x 0,21	18,50	0,48/ 0,62	2,50 ± 0,05	-	-	-	1, 2
	2,00	28 x 0,31	9,42	0,28/ 0,31	2,50 ± 0,05	-	-	-	
	9 x 1,00 + 1 x 2,00	-	-	-	-	150	1,00/ 1,25	12,50 ± 0,40	
FLYY ADR	1,50	30 x 0,26	12,7	0,24/ 0,35	2,30 ± 0,05	-	-	-	1, 2
	2,50	50 x 0,26	7,6	0,28/ 0,40	2,85 ± 0,05	-	-	-	
	Filler	-	-	-	As needed	-	-	-	
	Inner (3 x 2,50 + 1 x 1,50)	-	-	-	-	95	-	-	
	12 x 1,50 + 3 x 2,50	-	-	-	-	200	1,30/ 1,60	14,30 ± 0,20	

Cable type			
Type	Cross-section	Color*	Weight approx.
	[mm ²]		[g/m]
FLYY ADR	2 x 0,50	BK-WH	32
FLYY ADR	2 x 0,75	WH-BK	54
FLYY ADR	4 x 0,75	BU-YE-GN-RD	71
FLYY ADR	6 x 0,75	BU-YE-RD-BN-GN-WH	115
FLYY ADR	7 x 0,75	BU-BK-YE-RD-BN-GN-WH	124
FLYY ADR	3 x 1,00 + 1 x 2,00	1,00 mm ² → YE-BU-RD 2,00 mm ² → WH	98
FLYY ADR	6 x 1,00 + 1 x 2,00	1,00 mm ² → BN-YE-BK-BU-RD-GN 2,00 mm ² → WH	156
FLYY ADR	7 x 1,00 + 1 x 2,00	1,00 mm ² → BN-GN-BU-RD-BK-YE-GY 2,00 mm ² → WH	143
FLYY ADR	9 x 1,00 + 1 x 2,00	1,00mm ² → YE/BK-GN-BN-BU-WH/BK-BU/BK-YE-BK-RD 2,00 mm ² → WH	254
FLYY ADR	12 x 1,50 + 3 x 2,50	1,50 mm ² → WH/BN-YE-WH/GN-WH/BU-WH/BK-GY-VT-RD-BN-BK-BU-GN 2,50 mm ² → WH/RD-OR-WH	390

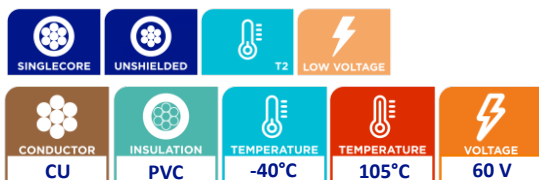


R2VI

-40°C ... 105°C



COFICAB



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 105°C/3000h

ACCORDING TO THE STANDARD

1. According client's specifications
2. DAF Standard MAT 46047 March 2004

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ø _{max.} [mm]	[mm]	[mΩ/m]	[mm]	[mm]	
R2VI	0,50	16 x 0,21	1,0	39	0,28	1,6 – 1,8	1, 2
R2VI	1,00	32 x 0,21	1,4	19,5	0,24	1,9 – 2,1	1, 2
R2VI	2,00	28 x 0,31	1,8	9,42	0,24	2,5 – 2,7	1, 2
R2VI	3,00	45 x 0,31	2,3	6,06	0,34	3,15 – 3,4	1, 2
R2VI	4,50	65 x 0,31	2,75	4,06	0,38	3,8 – 4,1	1, 2
R2VI	7,50	105 x 0,31	3,7	2,72	0,4	4,4 – 5,1	1, 2

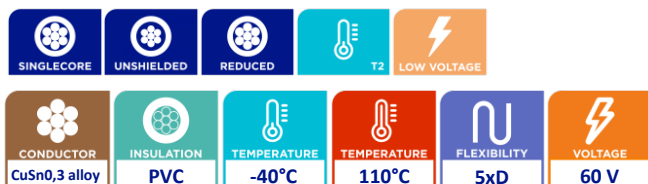
Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
R2VI	0,50	6,4
R2VI	1,00	11
R2VI	2,00	21
R2VI	3,00	33
R2VI	4,50	48
R2VI	7,50	69

FLCuSn03RYWD

-40°C ... 110°C



COFICAB



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: plasticized PVC

Covering: reduced Wall thickness

TECHNICAL DATA

Voltage level: 60V

Temperature range: -40°C ... 110°C/3000h

Min. bending radius: 5xD (static)

APPLICATION

Signal cable wiring for car body or regions with moderate temperatures. Using copper alloy with high values of breaking strength while conductivity remains at a good value will lead to an excellent signal cable for low-current applications, for example for switches and sensors.

ACCORDING TO THE STANDARD

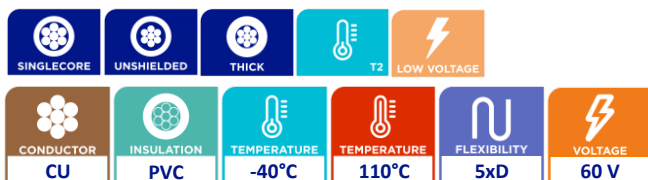
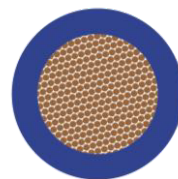
- ISO 19642-3 (similar)

Type	Conductor				Cable			
	Geometry			Resistance (20°C)	Geometry		Properties	
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Break force	According to the Standard
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	N	
FLCuSn03RYWD-A	0,35	19 x 0,16	0,8	68	0,20	1,30 -0,1	>200	1

Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLCuSn03RYWD-A	0,35	4,5

SLYW TB1914

-40°C ... 110°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: Plasticized PVC
Covering: Thick walled insulation

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 110°C/3000h
Thermal overload: 160°C short term
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature.

ACCORDING TO THE STANDARD

- ISO 19642-3
- TB1914 (Temp. 110°C)

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
SLYW	35,00	1090 x 0,21	8,5	0,527	1,04	11,6 -1,5	1, 2

Cable type		
Type	Cross-Section	Weight Approx.
	[mm ²]	[g/m]
SLYW	35,00	385

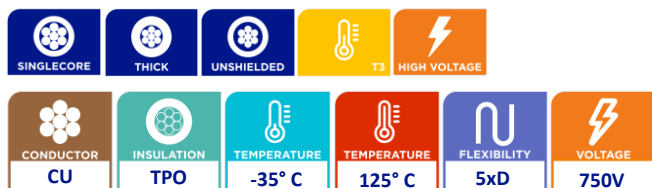
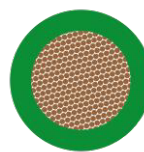
TRUCK CABLES

T3 (UP TO 125°C)

BT-SKZH	55	RVT3 PP	70
FL2X11Y Scania	56	RVT3 PVC	71
FLCuSn03YW	57	RXKBZH Volvo	72
FLR31Y(9Y)11Y NFR	58	S2X2X	73
FLR31Y(9Y)11Y NFR	59	S3 Volvo	74
FLR31Y13Y	60	S3X	75
FLR7Y MAN	61	S9Y11Y	76
FLR9Y MAN	62	S9YB11Y	78
FLRYW MAN-DAF	64	SL2X11Y	79
FLYW DAF	66	SXKB 750V	80
IF3	67	SXKBZH 750V	81
R2XV	68	VR2X11Y	82
R9YV	69		

BT-SKZH

-35°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
Insulation material: Thermoplastic Polyolefin Halogen Free
Covering: Thick walled insulation

TECHNICAL DATA

Voltage level: 750V
Temperature range: -35°C to 125°C/3000h
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

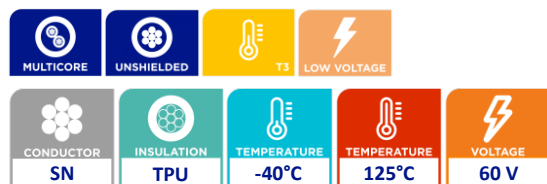
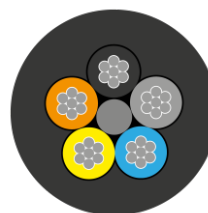
1. Similar to Volvo 1058547 003

Type	Conductor			Cable			According to the Standard
	Geometry		Resistance (20°C)	Sheath			
	Cross-section	Construction		Diameter nom.	Wall thickness min.	Diameter	
	[mm²]	N* x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
BT-SKZH	50,00	1600 x 0,21	9,4	0,386	1,88	13,3 – 14,3	1
BT-SKZH	70.00	2147 x 0.21	11.4	0.272	1.97	15.5 – 16.5	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
BT-SKZH	50,00	562
BT-SKZH	70,00	740

FL2X11Y Scania

-40°C to 125°C



DESIGN

Conductor: CU ETP1 according EN 13602, tinned
Insulation material: XPO E-beam cross-linked
Jacket Material: Thermoplastic polyurethane TPU

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 125°C / 3000h

APPLICATION

Multicore Wheel Sensor Cable.

ACCORDING TO THE STANDARD

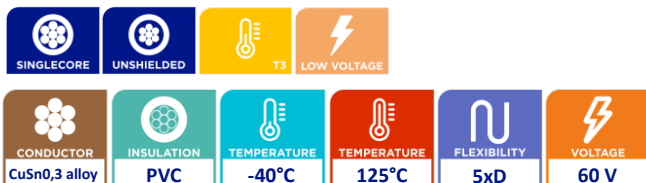
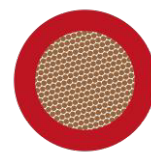
1. According client's specifications
2. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	Tinned max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FL2X11Y 1507434	32 x 0,21	1,35	1,35	19,1	0,48	2,5 ±0,1	118 ±10	0,6	9 ±0,25	1, 2
	Filler	-	-	-	-	1.75 ±0.05				

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FL2X11Y 1507434	5 x 1 + 1 Filler	BK_OG-BK-GY-BU-YE	116

FLCuSn03YW

-40°C to 125°C



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: plasticized PVC

Covering: standard Wall thickness

TECHNICAL DATA

Voltage level: 60V

Temperature range: -40°C to 125°C / 3000h

Thermal overload: 175°C short term

Min. bending radius: 5xD (static)

APPLICATION

Signal cable wiring for car body or regions with moderate temperatures.

Using copper alloy with high values of breaking strength while conductivity remains at a good value will lead to an excellent signal cable for low-current applications, for example for switches and sensors.

ACCORDING TO THE STANDARD

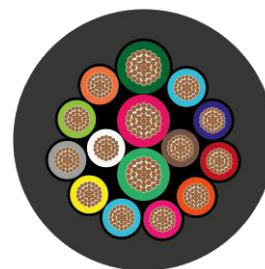
1. ISO 19642-3 (similar)

Type	Conductor				Cable			
	Geometry			Resistance (20°C)	Geometry		Properties	According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Break force	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	N	
FLCuSn03YW	0,35	19 x 0,16	0,8	70	0,30	1,4 – 1,6	>200	1
FLCuSn03YW	0,50	19 x 0,19	1,0	50	0,48	2,0 – 2,3	≈>350	1

Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLCuSn03YW	0,35	5,1
FLCuSn03YW	0,50	9

FLR31Y(9Y)11Y NFR

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (inner 2x1,50mm²): PP low halogenated
 Insulation material: TPE-S
 Jacket Material: PUR, not flame retardant

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 125°C/3000h
 Test voltage: eff. 5.0 kV spark test
 Capacity of Twisted pair: 50 pF

CONSTRUCTION

PUR jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

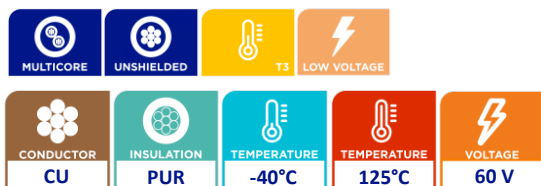
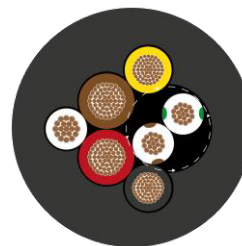
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.		*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness nom.	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR31Y(9Y)11Y NFR	Inner 2x1,50 (Pair) + 2x2,50	-	-	-	-	-	60 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	2,50	50 x 0,26	2,2	7,60	0,28	3,0 -0,3	-	-	-	
	10x1,5+1x2,5 + (2x1.5+2x2.5)	-	-	-	-	-	120 ±10	0,8	14,1 -0,6	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR31Y(9Y)11Y NFR	10x1,5+1x2,5 + (2x1,5+2x2,5)	According to the order	361

FLR31Y(9Y)11Y NFR

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 according to EN13602
 Insulation material (2x1,50mm²): PP low halogenated
 Insulation material (1,50mm²): TPE-S
 Insulation material (4,00mm²): TPE-S
 Jacket Material: PUR, not flame retardant

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 125°C/3000h
 Test voltage: eff. 5.0 kV spark test
 Capacity of Twisted pair: 50 pF

CONSTRUCTION

PUR jacketed cable with twisted single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

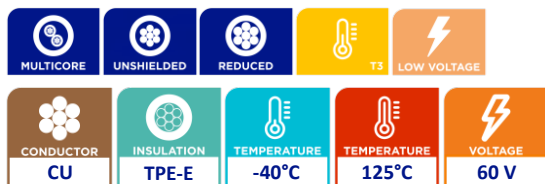
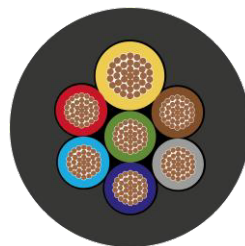
Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness nom.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR31Y(9Y)11Y NFR	2x1,50 (Pair)	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	45 ±5	-	-	1
	1,50	30 x 0,26	1,70	12,7	0,24	2,4 -0,2	-	-	-	
	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	-	-	-	
	2x4.0+3x1.5+(2x1.5)	-	-	-	-	-	130 ±10	0.8	11.9 -0.4	

(*) For the single wire not twisted

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR31Y(9Y)11Y NFR	2x4,0+3x1,5+(2x1,5)	According to the order	250

FLR31Y13Y T3

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: TPE-S
 Jacket Material: TPE-E

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 125°C/3000h

CONSTRUCTION

Jacketed cable with twisted TPE-S single cores.

APPLICATION

Jacketed cable for sensor applications and control cable.

ACCORDING TO THE STANDARD

1. According client's specifications

Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-section	Construction	Diameter max.	*Bare max.	*Wall thickness nom.	*Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR31Y13Y T3	6 x 1,50 + 1 x 2,50	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	120 ±10	0,71	9,8 -0,3	1
		50 x 0,26	2,2	7,60	0,28	3,0 -0,3				

(*) For the single wire not twisted

ENVIRONMENTAL PROPERTIES

In conformity with EU End-of-life Directive 2000/53/EC (EU End-of-life Vehicle Directive) and EU RoHS Directive 2011/65/EU (amended by 2015/863)

In conformity with REACH Regulation (EC) No 1907/2006

No content of restricted substances acc. to VDA 232-101

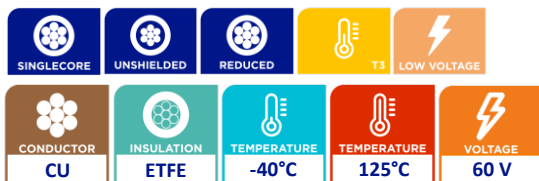
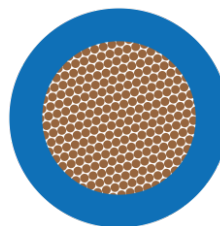
PRINTING

According to OEM applicable standard

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FLR31Y13Y T3	6 x 1,50 + 1 x 2,50	According to the order	171

FLR7Y MAN

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: ETFE
Covering: Reduced Wall thickness

ACCORDING TO THE STANDARD

1. MAN Truck & Bus AG M3135:2017-04

TECHNICAL DATA

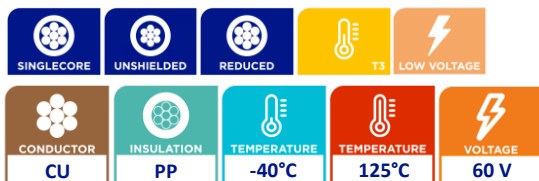
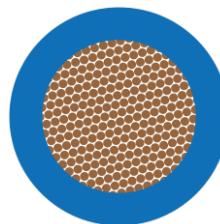
Voltage level: 60 V
Temperature range: -40°C ... 125°C/3000h

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLR7Y-A MAN FLR7Y-B MAN	0,35	7 x 0,26 12 x 0,21	0,8 0,9	52,0	0,20	1,3 -0,1 1,4 -0,2	1
FLR7Y-A MAN FLR7Y-B MAN	0,50	19 x 0,19 16 x 0,21	1,0	37,1	0,22	1,6 -0,1 1,6 -0,2	1
FLR7Y-A MAN FLR7Y-B MAN	0,75	19 x 0,23 24 x 0,21	1,2	24,7	0,24	1,8 -0,1 1,9 -0,2	1
FLR7Y-A MAN FLR7Y-B MAN	1,00	19 x 0,26 32 x 0,21	1,35	18,5	0,24	2,0 -0,1 2,1 -0,2	1
FLR7Y-A MAN FLR7Y-B MAN	1,50	19 x 0,32 30 x 0,26	1,7	12,7	0,24	2,3 -0,1 2,4 -0,2	1
FLR7Y-A MAN FLR7Y-B MAN	2,50	19 x 0,41 50 x 0,26	2,2	7,6	0,28	2,9 -0,2 3,0 -0,3	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
FLR7Y-A MAN FLR7Y-B MAN	0,35	5
FLR7Y-A MAN FLR7Y-B MAN	0,50	6,7
FLR7Y-A MAN FLR7Y-B MAN	0,75	9,6
FLR7Y-A MAN FLR7Y-B MAN	1,00	12
FLR7Y-A MAN FLR7Y-B MAN	1,50	17
FLR7Y-A MAN FLR7Y-B MAN	2,50	26

FLR9Y MAN

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: PP
Covering: Reduced Wall thickness

TECHNICAL DATA

Voltage level: 60 V
Temperature range: -40°C ... 125°C/3000h

ACCORDING TO THE STANDARD

1. MAN Truck & Bus AG M3135-1 (2020-09)

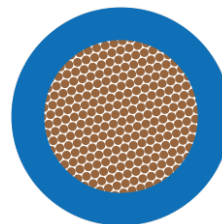
Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLR9Y-A MAN FLR9Y-B MAN	0,35	7 x 0,26 12 x 0,21	0,8 0,9	52,0	0,20	1,3 -0,1 1,4 -0,2	1
FLR9Y-A MAN FLR9Y-B MAN	0,50	19 x 0,19 16 x 0,21	1,0	37,1	0,22	1,6 -0,2 1,6 -0,2	1
FLR9Y-A MAN FLR9Y-B MAN	0,75	19 x 0,23 24 x 0,21	1,2	24,7	0,24	1,9 -0,2 1,9 -0,2	1
FLR9Y-A MAN FLR9Y-B MAN	1,00	19 x 0,26 32 x 0,21	1,35	18,5	0,24	2,1 -0,2 2,1 -0,2	1
FLR9Y-A MAN FLR9Y-B MAN	1,50	19 x 0,32 30 x 0,26	1,7	12,7	0,24	2,4 -0,2 2,4 -0,2	1
FLR9Y-A MAN FLR9Y-B MAN	2,50	37 x 0,28 50 x 0,26	2,2	7,6	0,28	3,0 -0,3 3,0 -0,3	1
FLR9Y-B MAN	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	1
FLR9Y-B MAN	6,00	84 x 0,31	3,4	3,1	0,32	4,3 -0,3	1
FLR9Y-B MAN	10,00	80 x 0,41	4,4	1,82	0,48	6,0 -0,7	1
FLR9Y-B MAN	16,00	126 x 0,41	5,5	1,16	0,52	7,2 -0,8	1
FLR9Y-B MAN	25,00	196 x 0,41	7,0	0,74	0,52	8,7 -0,8	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
FLR9Y-A MAN FLR9Y-B MAN	0,35	4,4
FLR9Y-A MAN FLR9Y-B MAN	0,50	6,1
FLR9Y-A MAN FLR9Y-B MAN	0,75	8,8
FLR9Y-A MAN FLR9Y-B MAN	1,00	11
FLR9Y-A MAN FLR9Y-B MAN	1,50	16
FLR9Y-A MAN FLR9Y-B MAN	2,50	25
FLR9Y-B MAN	4,00	40
FLR9Y-B MAN	6,00	59
FLR9Y-B MAN	10,00	100
FLR9Y-B MAN	16,00	154
FLR9Y-B MAN	25,00	237

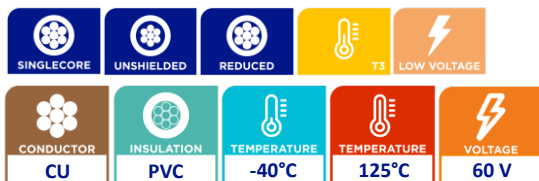


FLRYW MAN-DAF

-40°C ... 125°C



COFICAB



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: Plasticized PVC
Covering: Reduced Wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h

ACCORDING TO THE STANDARD

- MAN Truck & Bus AG M3135:2011-02
- DAF PROD 9507

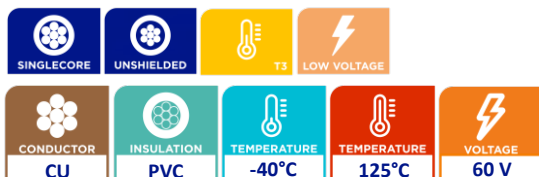
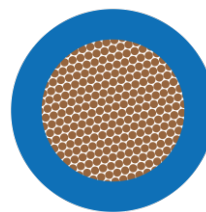
Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLRYW-A MAN	0,35	7 x 0,26	0,8	52,0	0,20	1,3 -0,1	1
FLRYW-B MAN		12 x 0,21	0,9			1,4 -0,2	
FLRYW-A MAN	0,50	19 x 0,19	1,0	37,1	0,22	1,6 -0,1	1
FLRYW-B MAN		16 x 0,21				1,6 -0,2	
FLRYW-A MAN	0,75	19 x 0,23	1,2	24,7	0,24	1,8 -0,1	1
FLRYW-B MAN		24 x 0,21				1,9 -0,2	1, 2
FLRYW-A MAN	1,00	19 x 0,26	1,35	18,5	0,24	2,0 -0,1	1
FLRYW-B MAN		32 x 0,21				2,1 -0,2	1, 2
FLRYW-A MAN	1,50	19 x 0,32	1,7	12,7	0,24	2,3 -0,1	1
FLRYW-B MAN		30 x 0,26				2,4 -0,2	1, 2
FLRYW-A MAN	2,50	19 x 0,41	2,2	7,6	0,28	2,9 -0,2	1
FLRYW-B MAN		50 x 0,26				3,0 -0,3	1, 2
FLRYW-B MAN	4,00	56 x 0,31	2,75	4,7	0,32	3,7 -0,3	1
FLRYW-B MAN	6,00	84 x 0,31	3,4	3,1	0,32	4,3 -0,3	1
FLRYW-B MAN	10,00	80 x 0,41	4,4	1,82	0,48	5,7 -0,6	1
FLRYW-B MAN	16,00	126 x 0,41	5,5	1,16	0,52	6,9 -0,6	1
FLRYW-B MAN	25,00	196 x 0,41	7,0	0,74	0,52	8,3 -0,6	1
FLRYW-B MAN	35,00	276 x 0,41	8,4	0,527	0,52	9,7 -0,6	1
FLRYW-B MAN	50,00	396 x 0,41	9,4	0,368	0,8	11,5 -0,4	1
FLRYW-B MAN	70,00	360 x 0,51	11,5	0,259	0,8	13,85 -0,5	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm ²]	[g/m]
FLRYW-A MAN FLRYW-B MAN	0,35	4,5
FLRYW-A MAN FLRYW-B MAN	0,5	6,6
FLRYW-A MAN FLRYW-B MAN	0,75	9
FLRYW-A MAN FLRYW-B MAN	1,0	11
FLRYW-A MAN FLRYW-B MAN	1,5	16
FLRYW-A MAN FLRYW-B MAN	2,5	26
FLRYW-B MAN	4,0	42
FLRYW-B MAN	6,0	61
FLRYW-B MAN	10,0	105
FLRYW-B MAN	16,0	170
FLRYW-B MAN	25,0	260
FLRYW-B MAN	35,0	360
FLRYW-B MAN	50,0	481
FLRYW-B MAN	70,0	683



FLYW DAF

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: Plasticized PVC

ACCORDING TO THE STANDARD

1. DAF PROD 9507

TECHNICAL DATA

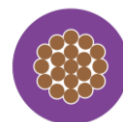
Voltage level: 60 V
Temperature range: -40°C ... 125°C/3000h

Type	Conductor				Core		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLYW DAF	4,00	56 x 0,31	2,8	4,71	0,64	4,4 -0,4	1
FLYW DAF	6,00	84 x 0,31	3,4	3,14	0,64	5,0 -0,4	1
FLYW DAF	10,00	80 x 0,41	4,5	1,82	0,80	6,5 -0,6	1
FLYW DAF	16,00	126 x 0,41	6,3	1,16	0,80	8,3 -0,6	1
FLYW DAF	25,00	196 x 0,41	7,8	0,743	1,04	10,4 -1,0	1
FLYW DAF	35,00	276 x 0,41	9,0	0,527	1,04	11,6 -2,0	1
FLYW DAF	50,00	396 x 0,41	10,5	0,368	1,20	13,5 -2,0	1
FLYW DAF	70,00	360 x 0,51	12,5	0,259	1,20	15,5 -2,0	1
FLYW DAF	95,00	475 x 0,51	14,8	0,196	1,28	18,0 -2,0	1

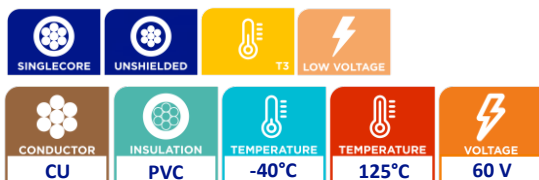
Cable type		
Type	Cross-Section [mm²]	Weight Approx. [g/m]
FLYW DAF	4,00	47
FLYW DAF	6,00	-
FLYW DAF	10,00	-
FLYW DAF	16,00	-
FLYW DAF	25,00	-
FLYW DAF	35,00	358
FLYW DAF	50,00	-
FLYW DAF	70,00	725
FLYW DAF	95,00	-

IF3

-40°C ... 125°C



COFICAB



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: plasticized PVC

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h

APPLICATION

General purpose wiring harness for car body or regions with enhanced ambient temperature.

ACCORDING TO THE STANDARD

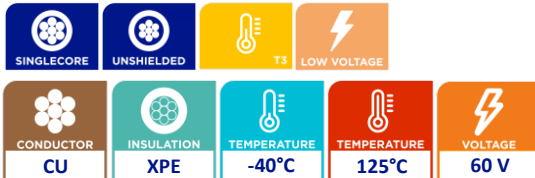
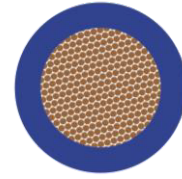
1. IVECO 11-8142

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	
IF3	0,50	16x0,21	1	37,1	0,22	1,40 – 1,60	1
IF3	0,75	24x0,21	1,2	24,7	0,24	1,70 – 1,90	1
IF3	1,00	32x0,21	1,35	18,5	0,24	1,90 – 2,10	1
IF3	1,50	30x0,26	1,7	12,7	0,24	2,20 – 2,40	1
IF3	2,50	50x0,26	2,2	7,6	0,28	2,70 – 3,00	1
IF3	4,00	56x0,31	2,75	4,7	0,32	3,40 – 3,70	1
IF3	6,00	84x0,31	3,3	3,1	0,32	4,00 – 4,30	1
IF3	10,00	80x0,4	4,8	1,76	1,05	6,80 – 7,10	1
IF3	16,00	126x0,4	5,6	1,11	1,6	8,70 – 9,00	1
IF3	25,00	196x0,4	7,3	0,75	1,4	10,00 – 10,30	1
IF3-F	25,00	322x0,33	7,3	0,75	1,4	10,00 – 10,30	1
IF3	35,00	276x0,4	9,2	0,53	1,40	11,90 – 12,20	1
IF3	50,00	396x0,4	10,6	0,37	1,6	13,70 – 14,00	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
IF3	0,50	5,9
IF3	0,75	8,6
IF3	1,00	11
IF3	1,50	16
IF3	2,50	25
IF3	4,00	40
IF3	6,00	59
IF3	10,00	124
IF3	16,00	200
IF3	25,00	281
IF3-F	25,00	281
IF3	35,00	400
IF3	50,00	556

R2XV

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: XPE cross-linked

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h

APPLICATION

General purpose wiring harness for car body or regions with moderate temperatures.

ACCORDING TO THE STANDARD

1. Volvo 1059587, 4

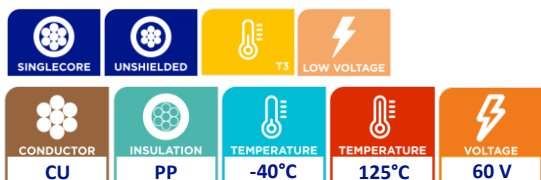
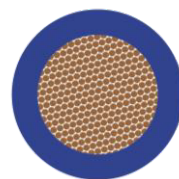
Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	*Diameter max.	Bare max.	Wall thickness min.	*Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
R2XV	0,35	12 x 0,21	0,90	54,4	0,20	1,20 – 1,40	1
R2XV	0,50	16 x 0,21	1,10	37,1	0,22	1,40 – 1,60	1
R2XV	0,75	24 x 0,21	1,30	24,7	0,24	1,70 – 1,90	1
R2XV	1,00	32 x 0,21	1,50	18,5	0,24	1,90 – 2,10	1
R2XV	1,50	30 x 0,26	1,80	12,7	0,24	2,20 – 2,40	1
R2XV	2,50	50 x 0,26	2,20	7,60	0,28	2,70 – 3,00	1
R2XV	4,00	56 x 0,31	2,80	4,71	0,32	3,40 – 3,70	1
R2XV	6,00	84 x 0,31	3,40	3,14	0,32	4,00 – 4,30	1
R2XV	10,00	80 x 0,41	4,50	1,82	0,48	5,30 – 6,00	1
R2XV	16,00	126 x 0,41	5,80	1,16	0,52	6,40 – 7,90	1

*The diameter max. of the conductor and diameter min. of the cable are according ISO 19642-3

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
R2XV	0,35	-
R2XV	0,50	-
R2XV	0,75	-
R2XV	1,00	-
R2XV	1,50	-
R2XV	2,50	-
R2XV	4,00	-
R2XV	6,00	-
R2XV	10,00	-
R2XV	16,00	-

R9YV

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: PP low halogenated

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h

APPLICATION

General purpose wiring harness for car body or regions with moderate temperatures.

ACCORDING TO THE STANDARD

1. Volvo 1059587, 4

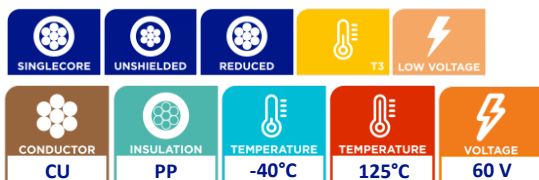
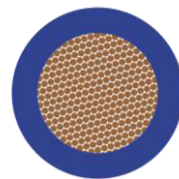
Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	*Diameter max.	Bare max.	Wall thickness min.	*Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
R9YV	0,35	12 x 0,21	0,90	54,4	0,20	1,20 – 1,4	1
R9YV	0,50	16 x 0,21	1,10	37,1	0,22	1,40 – 1,6	1
R9YV	0,75	24 x 0,21	1,30	24,7	0,24	1,70 – 1,9	1
R9YV	1,00	32 x 0,21	1,50	18,5	0,24	1,90 – 2,1	1
R9YV	1,50	30 x 0,26	1,80	12,7	0,24	2,20 – 2,4	1
R9YV	2,50	50 x 0,26	2,20	7,60	0,28	2,70 – 3	1
R9YV	4,00	56 x 0,31	2,80	4,71	0,32	3,40 – 3,7	1
R9YV	6,00	84 x 0,31	3,40	3,14	0,32	4,00 – 4,3	1
R9YV	10,00	80 x 0,41	4,50	1,82	0,48	5,30 – 6	1
R9YV	16,00	126 x 0,41	5,80	1,16	0,52	6,40 – 7,9	1

*The diameter max. of the conductor and diameter min. of the cable are according ISO 19642-3

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
R9YV	0,35	-
R9YV	0,50	-
R9YV	0,75	-
R9YV	1,00	-
R9YV	1,50	-
R9YV	2,50	-
R9YV	4,00	-
R9YV	6,00	-
R9YV	10,00	-
R9YV	16,00	-

RVT3

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: PP low halogenated
Covering: Reduced Wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h
Thermal overload: 175°C

APPLICATION

Battery wiring harness for car body or regions with enhanced ambient temperature.

ACCORDING TO THE STANDARD

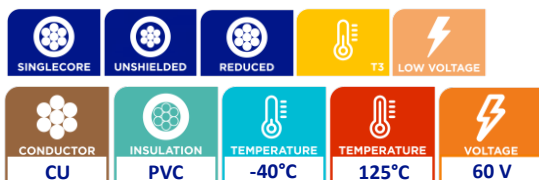
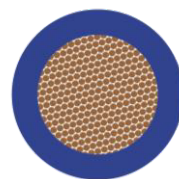
- ISO 19642-3
- Renault 36.05.4408 / C

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm ²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
RVT3	10,00	320 x 0,21	4,50	1,82	0,48	5,3 – 6,0	1, 2
RVT3	16,00	512 x 0,21	5,80	1,16	0,52	6,4 – 7,2	1, 2
RVT3	25,00	790 x 0,21	7,20	0,743	0,52	7,9 – 8,7	1, 2

Cable type		
Type	Cross-Section	Weight Approx.
	[mm ²]	[g/m]
RVT3	10,00	-
RVT3	16,00	-
RVT3	25,00	-

RVT3

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare
Insulation material: PVC plasticized
Covering: reduced Wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h
Thermal overload: 175°C

APPLICATION

Battery wiring harness for car body or regions with enhanced ambient temperature.

ACCORDING TO THE STANDARD

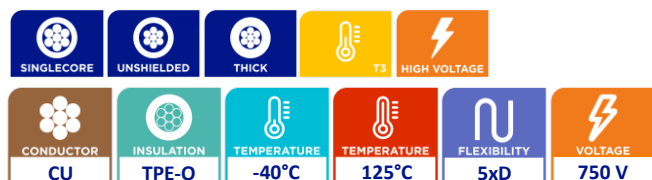
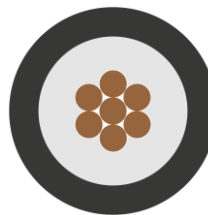
- ISO 19642-3
- Renault 36.05.4408 / C

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
RVT3	10,00	320 x 0,21	4,50	1,82	0,48	5,3 – 6,0	1, 2
RVT3	16,00	512 x 0,21	5,80	1,16	0,52	6,4 – 7,2	1, 2
RVT3	25,00	790 x 0,21	7,20	0,743	0,52	7,9 – 8,7	1, 2

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
RVT3	10,00	-
RVT3	16,00	-
RVT3	25,00	-

RXKBZH 750V

-40°C to 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
 Insulation material: XPO E-beam cross-linked
 Sheath: Thermoplastic Polyolefin Halogen Free

TECHNICAL DATA

Voltage level: 750V
 Temperature range: -40°C to 125°C/3000h
 Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

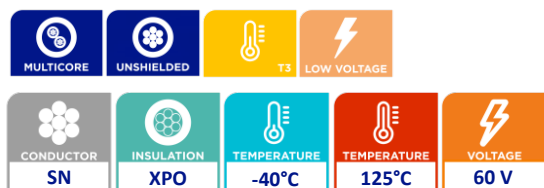
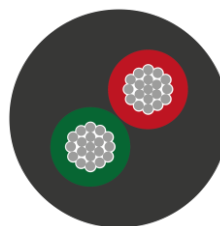
1. Similar to Volvo 1058473 005

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Insulation		Sheath		According to the Standard
	Cross-section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter nom.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
RXKBZH	16,00	126 x 0,41	5,3	1,21	0,53	6,7	0,58	8,1 – 8,5	1
RXKBZH	25,00	196 x 0,41	6,5	0,78	0,53	7,9	0,58	9,5 – 9,9	1
RXKBZH	35,00	276 x 0,41	7,9	0,554	0,53	9,3	0,58	10,6 – 11,2	1
RXKBZH	50,00	396 x 0,41	9,4	0,386	0,62	11,0	0,75	12,6 – 13,4	1
RXKBZH	70,00	360 x 0,51	10,7	0,272	0,62	12,3	1,26	15,0 – 15,8	1
RXKBZH	95,00	475 x 0,51	12,8	0,206	0,71	14,6	1,26	17,3 – 18,3	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
RXKBZH	16,00	174
RXKBZH	25,00	255
RXKBZH	35,00	350
RXKBZH	50,00	503
RXKBZH	70,00	699
RXKBZH	95,00	938

S2X2X

-40°C to 125°C



DESIGN

Conductor: CU ETP1 according EN 13602, tinned
Insulation material: XPE E-beam cross-linked
Jacket Material: XPO E-beam cross-linked

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 125°C / 3000h

CONSTRUCTION

XPO E-beam cross-linked jacketed cable with twisted XPE E-beam cross-linked single cores.

ACCORDING TO THE STANDARD

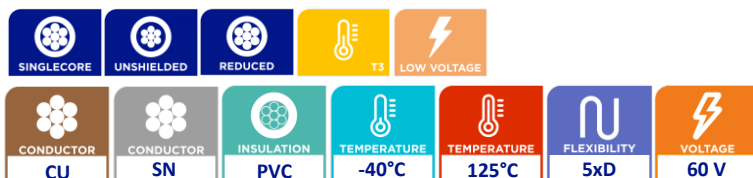
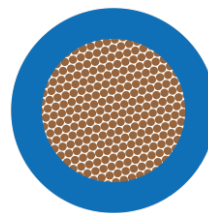
1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-Section	Construction	Diameter max.	Tinned max.	Wall thickness min.	Diameter	Lay length	Wall thickness nom.	Diameter	
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
S2X2X 1511880	2 x 2,5-A SN	19 x 0,41	2,2	7,82	0,28	3,0 -0,3	55 ±5	0,80	7,3 ±0,2	1, 2, 3

Cable type			
Type	Cross-Section	Color	Weight Approx.
	[mm²]		[g/m]
S2X2X 1511880	2 x 2,5-A SN	BK_WH-WH	91

S3 Volvo

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare or tinned
Insulation material: plasticized PVC, heat resistant
Covering: reduced wall thickness

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h
Thermal overload: 175°C short term
Min. bending radius: 5xD (static)

APPLICATION

General purpose wiring harness for car body or engine with enhanced temperatures.

ACCORDING TO THE STANDARD

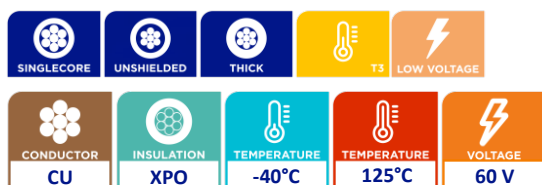
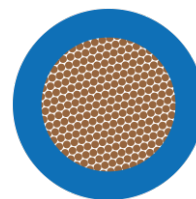
1. Volvo VCC 31826976

Type	Conductor					Core		
	Geometry			Resistance		Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Tinned max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mΩ/m]	[mm]	[mm]	
S3	4.00	120 x 0.21	2.8	4.95	-	0.32	3.40 – 3.70	

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
S3	4,00	40

S3X

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 according to EN 13602, bare
Insulation material: XPO E-beam cross-linked

ACCORDING TO THE STANDARD

1. Scania STD 4387

TECHNICAL DATA

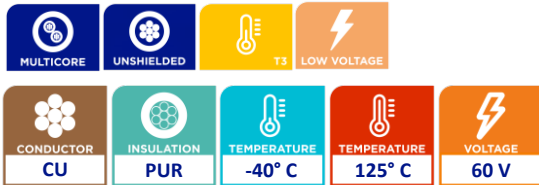
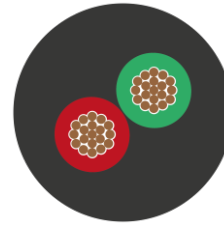
Voltage level: 60V
temperature range: -40°C ... 125°C

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
S3X	10,0	80 x 0,41	4,3	1,82	0,75	5,9 – 6,5	1
S3X	16,0	126 x 0,41	5,4	1,16	1,05	7,7 – 8,3	1
S3X	25,0	196 x 0,41	7,8	0,780	1,35	9,7 – 10,4	1
S3X/0,10	25,0	3420 x 0,10	8,0	0,780	1,04	10,0 – 10,8	1
S3X	35,0	276 x 0,41	9	0,554	1,35	11,0 – 11,6	1
S3X	50,0	396 x 0,41	10,5	0,386	1,40	12,9 – 13,5	1
S3X	70,0	360 x 0,51	12,5	0,272	1,40	14,0 – 15,5	1

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
S3X	10,0	111
S3X	16,0	176
S3X	25,0	266
S3X/0,10	25,0	275
S3X	35,0	360
S3X	50,0	501
S3X	70,0	686

S9Y11Y

-40°C ... 125°C



DESIGN

Conductor: Cu ETP1 according to EN-13602
 Insulation material: PP low halogenated
 Jacket Material: PUR

TECHNICAL DATA

Voltage level: 60 V
 Temperature range: -40°C ... 125°C/3000h

CONSTRUCTION

PUR jacketed cable with twisted Polypropylene single cores.

ACCORDING TO THE STANDARD

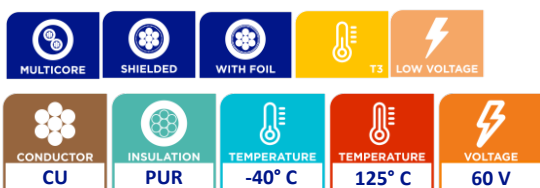
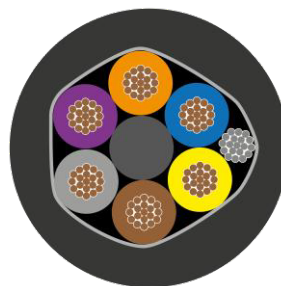
1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		Geometry			
	Cross-section [mm²]	Construction N x Ømax.[mm]	Diameter max. [mm]		Wall thickness min. [mm]	Diameter [mm]	Lay length [mm]	Wall thickness nom. [mm]	Diameter [mm]	
S9Y11Y	2 x 0,50 + 1 Filler + 2 Fillers	16 x 0,21	1,1	37,1	0,22	1,6 -0,2	22±3	0,7	5,0±0,2	1, 2, 3
	-				0,5					
	-				1,5 -0,2					
S9Y11Y 2924869	2 x 0,50 + 2 Fillers	16 x 0,21	1,0	37,1	0,22	1,69 -0,06	36±1	0,75	5,55±0,25	1, 2, 3
S9Y11Y	5 x 0,50	16 x 0,21	1,0	37,1	0,22	1,6 -0,2				
S9Y11Y	5 x 0,50	16 x 0,21	1,0	37,1	0,22	1,6 -0,2	70±10	0,65	6,0±0,2	1, 2, 3
S9Y11Y 2432345	1 x 0,75	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	-	0,65	3,4±0,2	1, 2, 3
S9Y11Y 2130347	2 x 0,75	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	29±4	0,60	5,2±0,2	1, 2, 3
S9Y11Y 2130351	3 x 0,75	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	29±4	0,60	5,6±0,2	1, 2, 3
S9Y11Y 2244683	3 x 0,75 + 1 Filler	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	34±3	0,60	6,1±0,2	1, 2, 3
	-				1,9 -0,2					
S9Y11Y 2244687	4 x 0,75 + 1 Filler	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	25±2	0,90	6,1±0,2	1, 2, 3
	-				0,75					
S9Y11Y 2844717	6 x 0,75 + 1 Filler	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	75±25	1,2	7,8±0,3	1, 2, 3
	-				1,9 -0,2					
S9Y11Y 2820310	7 x 0,75	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	75±25	1,0	7,4±0,2	1, 2, 3
S9Y11Y 2130344	2 x 1	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	29±4	0,80	6,2±0,2	1, 2, 3

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		Geometry			
	Cross-section [mm²]	Construction N x Ømax.[mm]	Diameter max. [mm]		Wall thickness min. [mm]	Diameter [mm]	Lay length [mm]	Wall thickness nom. [mm]	Diameter [mm]	
S9Y11Y 2130350	3 x 1	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	29±4	0,60	5,9±0,2	1, 2, 3
S9Y11Y 2130353	4 x 1	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	42±8	0,60	6,5±0,2	1, 2, 3
S9Y11Y 2244686	4 x 1 + 1 Filler	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	25±2	0,6	6,5±0,2	1, 2, 3
		-			0,9 -0,1					
S9Y11Y 2244688	6 x 1 + 1 Filler	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	75±25	1,15	8,3±0,3	1, 2, 3
		-			2,1 -0,2					
S9Y11Y 2130378	8 x 1 + 3 Fillers	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	Int: 29±3 (2x1) Ext: 100±30	1,2	11,8±0,3	1, 2, 3
		-			2,1 -0,2					
S9Y11Y 2866131	9 x 1 + 3 Fillers	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	105±20	1,2	10,9±0,3	1, 2, 3
		-			2,1 -0,2					
S9Y11Y 2297254	12 x 1 + 2 Fillers	32 x 0,21	1,35	18,5	0,24	2,1 -0,2	Int: 34±3 (3x1+F) Ext: 100±10 (9x1+F)	0,90	11,5±0,3	1, 2, 3
		-			2,1 -0,2					
S9Y11Y 2130362	1 x 1,5 + 6 x 1	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	75±25	0,60	8,0±0,3	1, 2, 3
		32 x 0,21	1,35	18,5	0,24	2,1 -0,2				
S9Y11Y 2130372	2 x 1,5	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	42±8	0,80	7,0±0,2	1, 2, 3
S9Y11Y 2244685	2 x 1,5 + 0,75 + 1 Filler	30 x 0,26	1,7	12,7	0,24	2,4 -0,2	59±3	0,90	7,3±0,3	1, 2, 3
		24 x 0,21	1,2	24,7	0,24	1,9 -0,2				
		-			1,9 -0,2					
S9Y11Y 2130357	(2 x 0,75) + 2 x 1,5 + 1 x 0,75	24 x 0,21	1,2	24,7	0,24	1,9 -0,2	Int: 25±3 (2x0,75) Ext: 80±10	0,7	8,8±0,3	1, 2, 3
		30 x 0,26	1,7	12,7	0,24	2,4 -0,2				
S9Y11Y 3010696	4 x 1,50 + 1 x 0,75 + 1 Filler	30 x 0,26	1,7	12,7	0,24	2,6 -0,6	75±25	0,8	8,0±0,3	1, 2, 3
		24 x 0,21	1,2	24,7	0,24	1,9 -0,2				
		-			2,6 -0,6					
S9Y11Y 2130368	1 x 2,5 + 6 x 1,5	50 x 0,26	2,2	7,6	0,28	3,0 -0,3	95±10	0,90	10,4±0,3	1, 2, 3
		30 x 0,26	1,7	12,7	0,24	2,4 -0,2				
S9Y11Y 2244682	2 x 2,5 + 2 Fillers	50 x 0,26	2,2	7,6	0,28	3,0 -0,3	55±5	0,70	7,7±0,3	1, 2, 3
		-			2,0					
S9Y11Y 2007007	2 x 2,5 + 0,75 + 1 Filler	50 x 0,26	2,2	7,6	0,28	3 -0,3	75±25	0,90	7,5±0,3	1, 2, 3
		24 x 0,21	1,2	24,7	0,24	1,9 -0,2				
		-			1,9 -0,2					
S9Y11Y 2297253	3 x 2,5 + 0,75 + 2 Fillers	50 x 0,26	2,2	7,6	0,28	3 -0,3	77±5	0,90	9,1±0,3	1, 2, 3
		24 x 0,21	1,2	24,7	0,24	1,9 -0,2				
		-			1,9 -0,2					
S9Y11Y 2130355	4 x 2,5	50 x 0,26	2,2	7,6	0,28	3,0 -0,3	53±13	0,5	8,5±0,2	1, 2, 3
S9Y11Y 2130363	7 x 2,5	50 x 0,26	2,2	7,6	0,28	3,0 -0,3	120±10	1,0	11,6±0,4	1, 2, 3

S9YB11Y

-40°C ... 125°C



DESIGN

Conductor: Cu ETP1 according to EN-13602
Insulation material: PP low halogenated
Jacket Material: PUR

CONSTRUCTION

PUR jacketed cable with twisted Polypropylene single cores.

SCREENING

Aluminium/PET foil with drain wire of tinned copper for screening.

TECHNICAL DATA

Voltage level: 60 V
Temperature range: -40°C ... 125°C/3000h

ACCORDING TO THE STANDARD

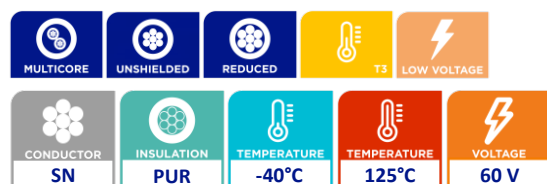
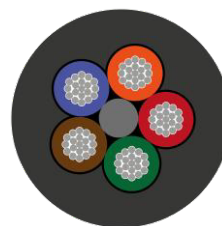
1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness nom.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
S9YB11Y 2963641	6 x 0,50 + 1 Filler	16 x 0,21	1,1	37,1	0,22	1,66 ±0,1	72±5	0,9	6,7 ±0,2	1, 2, 3
Drain wire	0,50sn-B	16 x 0,21	1,1	38,2	-	-				

Cable type			
Type	Cross-section	Color	Weight Approx.
	[mm²]		[g/m]
S9YB11Y	6 x 0,5 + 1 filler + 0,5sn-B	BK_OG-BU-YE-BN-GY-VT	68

SL2X11Y

-40°C ... 125°C



DESIGN

Conductor: Cu ETP1 tinned acc. to EN13602
Insulation material: XPE E-beam cross-linked
Jacket Material: PUR

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C ... 125°C/3000h

CONSTRUCTION

PUR jacketed cable with twisted XPE E-beam cross-linked single cores.

ACCORDING TO THE STANDARD

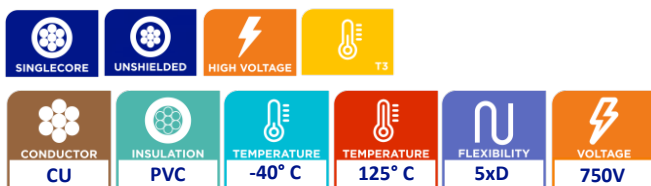
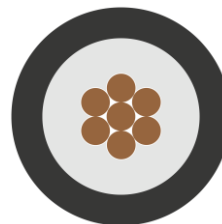
1. According client's specifications
2. TB1914

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
SL2X11Y 1507434	5 x 1,00 Sn <i>Filler</i>	32 x 0,21 -	1,3 -	19,1 -	0,48 -	2,6 -0,20 1.70 ±0.05	118 ±10	1,25	9 ±0,25	1,2

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
SL2X11Y 1507434	5 x 1,00 Sn + <i>Filler</i>	According to the order	-

SXKB T3 750V

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
Insulation material: XPO E-beam cross-linked
Sheath: plasticized PVC

TECHNICAL DATA

Voltage level: 750V
Temperature range: -40°C to 125°C/3000h
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

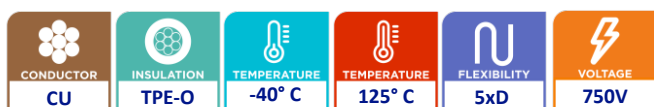
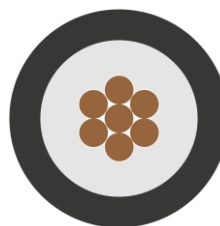
1. Volvo 1059023

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Insulation		Sheath		According to the Standard
	Cross- section	Construction	Diameter nom.		Bare max.	Wall thickness min.	Diameter nom.	Wall thickness min.	
				[mm²]					
SXKB T3	25	790 x 0,21	6,9	0,78	0,53	8,3	0,48	9,5 – 10,1	1
SXKB T3	35	1102 x 0,21	8,1	0,554	0,53	9,5	0,58	10,8 - 11,6	1
SXKB T3	50	1600 x 0,21	9,4	0,386	0,62	11,0	0,75	12,7 - 13,5	1
SXKB T3	70	2147 x 0,21	11,4	0,272	0,62	13,0	1,26	15,9 - 16,7	1
SXKB T3	95	3000 x 0,21	13,7	0,206	0,71	15,5	1,26	18,4 - 19,2	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
SXKB T3	25	262
SXKB T3	35	363
SXKB T3	50	505
SXKB T3	70	741
SXKB T3	95	982

SXKBZH T3 750V

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare copper
Insulation material: XPO E-beam cross-linked
Sheath: Thermoplastic Polyolefin Halogen Free

TECHNICAL DATA

Voltage level: 750V
Temperature range: -40°C to 125°C/3000h
Min. bending radius: 5xD (static)

APPLICATION

Cable for battery or high current applications with moderate ambient temperature. High Voltage cable.

ACCORDING TO THE STANDARD

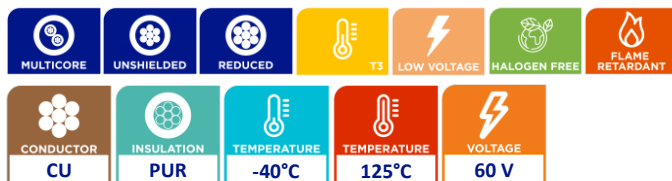
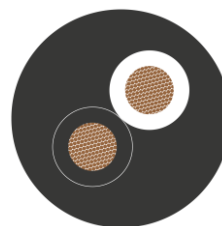
1. Similar to Volvo 1059023

Type	Conductor				Cable				
	Geometry			Resistance (20°C)	Insulation		Sheath		According to the Standard
	Cross- section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter nom.	Wall thickness min.	Diameter	
	[mm²]	N* x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
SXKBZH T3	25,00	790 x 0,21	6,9	0,78	0,53	8,3	0,48	9,5 – 10,1	
SXKBZH T3	35,00	1102 x 0,21	8,1	0,554	0,53	9,5	0,58	10,8 – 11,6	1
SXKBZH T3	50,00	1600 x 0,21	9,4	0,386	0,62	11,0	0,75	12,7 – 13,5	1
SXKBZH T3	70,00	2147 x 0,21	11,4	0,272	0,62	13,0	1,26	15,9 – 16,7	1
SXKBZH T3	95,00	3000 x 0,21	13,7	0,206	0,71	15,5	1,26	18,4 – 19,2	1

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
SXKBZH T3	25,00	260
SXKBZH T3	35,00	362
SXKBZH T3	50,00	510
SXKBZH T3	70,00	734
SXKBZH T3	95,00	973

VR2X11Y T3

-40°C ... 125°C



DESIGN

Conductor: CU ETP1 EN 13602, bare or tinned
 Insulation material: XPE E-beam cross-linked, zero halogen, flame retardant
 Jacket Material: PUR Polyurethane, flame retardant

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 125°C/3000h

ACCORDING TO THE STANDARD

1. According client's specifications
2. Scania TB 1914

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		
	Cross-Section	Construction	Diameter nom.		Wall thickness min.	Diameter	Lay length	Wall thickness Nom.	Diameter
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
VR2X11Y T3	0,75	24 x 0,21	1,1	26,0	0,28	2,1 -0,4	-	-	-
	1,00	32 x 0,21	1,3	19,5	0,28	2,3 -0,4	-	-	-
	1,50	30 x 0,26	1,6	13,3	0,28	2,6 -0,4	-	-	-
	2,50	50 x 0,26	2,1	7,98	0,28	3,0 -0,3	-	-	-
	4,00	56 x 0,31	2,5	4,95	0,32	3,8 -0,4	-	-	-
	6,00	84 x 0,31	3,2	3,30	0,36	4,5 -0,5	-	-	-
	3x0,75	-	-	-	-	-	20 - 25	0,8	5,9 ±0,3
	4x0,75	-	-	-	-	-	20 - 25	0,8	6,4 ±0,3
	4x1,00	-	-	-	-	-	20 - 25	0,8	6,9 ±0,3
	6x1,00	-	-	-	-	-	50 ±5	0,8	8,2 ±0,3
	2x2,50	-	-	-	-	-	50 ±5	0,8	7,6 ±0,3
	2x4,00	-	-	-	-	-	50 ±5	0,8	9,2 ±0,3
	2x6,00	-	-	-	-	-	< 80	0,8	10,4 ±0,4
	2x1,5 + 1x0,75	-	-	-	-	-	50 ±5	0,8	7,2 ±0,3
	2x4,0 + 1 x 1,5	-	-	-	-	-	50 ±5	0,8	9,6 ±0,2
	3x1,0 + 9x1,0	-	-	-	-	-	L1 (20-25) L2 < 80	0,8	11,5±0,4
	3x2,5 + 1x0,75	-	-	-	-	-	< 40	0,8	8,7±0,3

Cable type		
Type	Cross-Section	Weight Approx.
	[mm²]	[g/m]
VR2X11Y T3	3x0,75	-
VR2X11Y T3	4x0,75	-
VR2X11Y T3	4x1,00	-
VR2X11Y T3	6x1,00	-
VR2X11Y T3	2x2,50	-
VR2X11Y T3	2x4,00	-
VR2X11Y T3	2x6,00	-
VR2X11Y T3	2x1,5 + 1x0,75	-
VR2X11Y T3	2x4,0 + 1 x 1,5	-
VR2X11Y T3	3x1,0 + 9x1,0	-
VR2X11Y T3	3x2,5 + 1x0,75	-



TRUCK CABLES

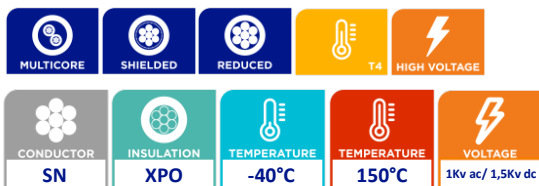
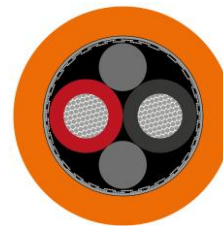
T4 (UP TO 150°C)

FHLR91XCB91X T4 Multi. Scania	85
FL2X2X Scania	86
FL2X2X SN Scania	87
FLCuSn03R2X	88
FLCuSn03R2X	89
FLR2X2X Scania	90
FLR91X MAN	92
S42X42X	93
S6Y42X	95
SBBB HFFR	96

FHLR91XCB91X T4

Multi. Scania

-40°C ... 150°C



DESIGN

Conductor: CU ETP1 according to EN 13602, tinned
 Insulation material: XPO E-beam cross-linked
 Reduced wall thickness
 Jacket Material: XPO E-beam cross-linked

TECHNICAL DATA

Voltage level: 1000 V ac / 1500 V dc (*)
 (*) acc. to ISO 19642 standard
 Temperature range: -40°C ... 150°C/3000h
 ... 175°C/240h

CONSTRUCTION

High voltage multi-core cable with tinned copper braiding screen and jacket.

SCREENING

Double screening with tinned copper braid and aluminium foil.
 Metal side in contact to screen overlap min. 20%.

APPLICATION

Screened cable for high voltage and high power at 150°C operating temperature.

ACCORDING TO THE STANDARD

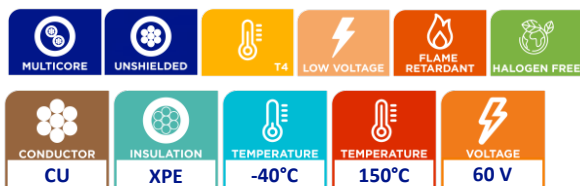
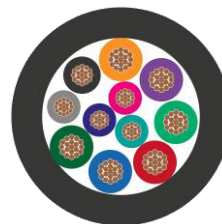
1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Screen		Cable		
	Geometry			Resistance (20°C)	Geometry				Geometry		
	Cross-section	Construction	Diameter max.	Tinned max.	Wall thickness min.	Diameter	Diameter max.	Coverage min.	Lay length	Wall thickness min.	Diameter
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	%	[mm]	[mm]	[mm]
FHLR91XCB91X T4 2125889	2 x 4,00 Sn + 2 Fillers	56 x 0,31	2,8	4,9	0,32	3,7 -0,3	0,16	85	65 ±5	0,61	10,5 -0,6
	-	-	-	-	-	2,4 -0,2					

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm²]		[g/m]
FHLR91XCB91X T4 2125889	2 x 4 Sn + 2 Fillers	OG_RD-BK	178

FL2X2X T4

-40°C ... 150°C



DESIGN

Conductor: CU ETP1 EN 13602, bare or tinned
 Insulation material: XPE E-beam cross-linked, zero halogen, flame retardant
 Jacket Material: XPE E-beam cross-linked, zero halogen, flame retardant

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 150°C/3000h

ACCORDING TO THE STANDARD

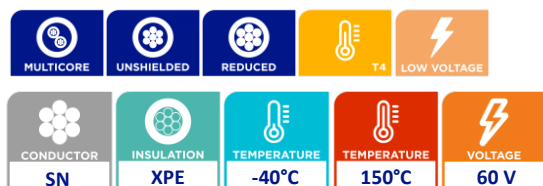
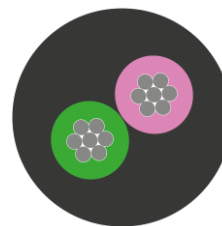
1. According client's specifications
2. Scania TB 1914

Type	Composition	Conductor				Cable				
		Geometry			Resistance (20°C)	Geometry		Geometry		
		Cross-Section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter
		[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]
FL2X2X T4	6x2,5 + 1x1,5 + 3x0,75 + 1x0,75	0,75	24 x 0,21	1,1	26,0	0,28	2,1 -0,3	-	-	-
		1,50	30 x 0,26	1,6	13,3	0,28	2,6 -0,3	-	-	-
		2,50	50 x 0,26	2,1	7,98	0,28	3,0 -0,3	-	-	-
		3x0,75	-	-	-	-	-	22 ±2	-	-
		6x2,5 + 1x1,5 + 3x0,75 + 1x0,75	-	-	-	-	-	TBD	1,5	16,0 -1,0

Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
FL2X2X T4	6x2,5 + 1x1,5 + 3x0,75 + 1x0,75	-

FLR2X2X Sn T4 Scania

-40°C ... 150°C



DESIGN

Conductor: CU ETP1 according to EN-13602
 Insulation material: XPE E-beam cross-linked
 Jacket Material: XPE E-beam cross-linked

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 150°C/3000h

CONSTRUCTION

XPE E-beam cross-linked jacketed cable with twisted XPE E-beam cross-linked single cores.

ACCORDING TO THE STANDARD

1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-Section	Construction	Diameter max.	*Tinned max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
FLR2X2X Sn T4	2 x 1,00	19 x 0,26	1,5	20,0	0,16	1,80 ±0,05	30 ±3	0,60	6,00 ±0,2	1,2,3
FLR2X2X Sn T4	3 x 1,00	19 x 0,26	1,5	20,0	0,16	1,80 ±0,05	30 ±3	0,60	6,00 ±0,2	1,2,3
FLR2X2X Sn T4	4 x 1,00	19 x 0,26	1,5	20,0	0,16	1,80 ±0,05	30 ±3	0,50	6,00 ±0,2	1,2,3
FLR2X2X Sn T4	5 x 1,00	19 x 0,26	1,5	20,0	0,16	1,80 ±0,05	50 ±5	0,41	6,50 ±0,2	1,2,3
FLR2X2X Sn T4	2 x 1,50	37 x 0,22	1.8	14,8	0,16	2,05 ±0,1	30 ±3	0,41	6,00 ±0,2	1,2,3

*For the single wire before twisted

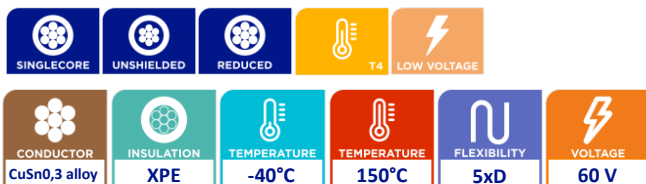
Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLR2X2X Sn T4	2 x 1,00	-
FLR2X2X Sn T4	3 x 1,00	-
FLR2X2X Sn T4	4 x 1,00	-
FLR2X2X Sn T4	5 x 1,00	-
FLR2X2X Sn T4	2 x 1,50	-

FLCuSn03R2X T4

-40°C ... 150°C



COFICAB



DESIGN

Conductor: Strands of copper alloy
CuSn0,3 alloy; IACS 72%
Sn content 0,3 ±0,05%

Insulation material: Polyethylene, cross-linked (XPE)

Covering: reduced Wall thickness

TECHNICAL DATA

Voltage level: 60V

Temperature range: -40°C ... 150°C/3000h

Min. bending radius: 5xD (static)

APPLICATION

Signal cable wiring for car body or regions with moderate temperatures. Using copper alloy with high values of breaking strength while conductivity remains at a good value will lead to an excellent signal cable for low-current applications, for example for switches and sensors.

ACCORDING TO THE STANDARD

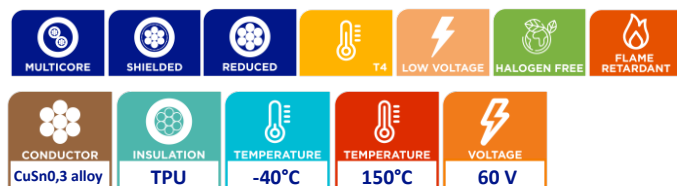
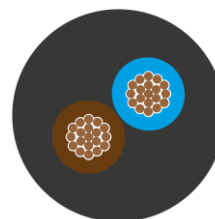
1. ISO 19642-3 (similar)

Type	Conductor				Cable			
	Geometry			Resistance (20°C)	Geometry		Properties	
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Break force	According to the Standard
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	N	
FLCuSn03R2X T4	0,35	19 x 0,16	0,8	68	0,20	1,30 -0,1	>200	1

Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLCuSn03R2X T4	0,35	4,5

FLCuSn03R2X T4

-40°C ... 150°C



DESIGN

Conductor: Strands of copper alloy
CuSn0,30 alloy; IACS 72%
Sn content 0,30 ±0,04%

Insulation material: XPE E-beam cross-linked,
zero halogen, flame retardant
Reduced wall thickness

Jacket Material: Thermoplastic polyurethane TPU

TECHNICAL DATA

Voltage level: 60V

Temperature range: -40°C ... 150°C/3000h

CONSTRUCTION

Thermoplastic polyurethane TPU jacketed cable with twisted XPE
E-beam cross-linked single cores.

APPLICATION

Jacketed cable for sensor applications and control cable

ACCORDING TO THE STANDARD

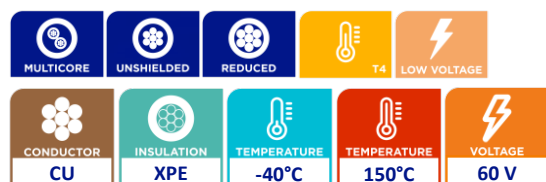
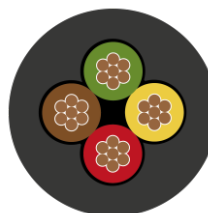
1. ISO 19642 (similar)
2. MBN 50112-4 (similar)
3. According client's specifications

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-Section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length Approx.	Wall thickness min.	Diameter	
FLCuSn03R2X11Y T4	2 x 0,35	19 x 0,16	0,8	68	0,20	1,4 -0,2	30	0,4	4,2 -0,4	1,2,3
FLCuSn03R2X11Y T4	3 x 0,35	19 x 0,16	0,8	68	0,20	1,4 -0,2	40	0,4	4,4 -0,4	1,2,3
FLCuSn03R2X11Y T4	4 x 0,35	19 x 0,16	0,8	68	0,20	1,4 -0,2	50	0,4	4,7 -0,4	1,2,3

Cable type		
Type	Cross-section	Weight approx.
	[mm²]	[g/m]
FLCuSn03R2X11Y T4	2 x 0,35	-
FLCuSn03R2X11Y T4	3 x 0,35	-
FLCuSn03R2X11Y T4	4 x 0,35	-

FLR2X2X T4 Scania

-40°C to 150°C



DESIGN

Conductor: CU ETP1 according to EN 13602
 Insulation material: XPE E-beam cross-linked
 Reduced wall thickness
 Jacket Material: XPE E-beam cross-linked

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 150°C / 3000h

APPLICATION

XPE jacketed cable with twisted single cores.

ACCORDING TO THE STANDARD

1. According client's specifications
2. TB1914
3. ISO 6722-1
4. TB1522

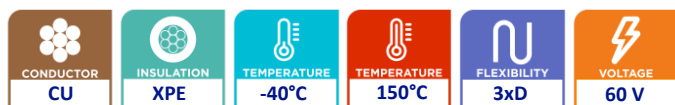
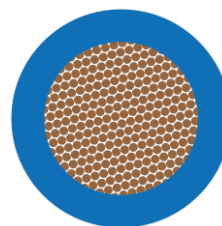
Type	Conductor				Core		Cable				According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry				
	Cross-section	Construction	Diameter max.		Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter		
										[mm²]	
FLR2X2X T4	3 x 0,75	24 x 0,21	1,30	24,7	0,24	1,8 ± 0,1	23 ±2	0,41	5,4 ± 0,2	1, 2, 3	
FLR2X2X T4	3 x 0,75	24 x 0,21	1,30	24,7	0,24	1,8 ± 0,1	35 ±2	0,41	6,45 ± 0,4	1, 2, 3	
Filler	-	-	-	-	-	1,8 ± 0,1					
4 Fillers	-	-	-	-	-	0,75 ± 0,05					
FLR2X2X T4	4 x 0,75	24 x 0,21	1,30	24,7	0,24	1,8 ± 0,1	35 ±2	0,41	6,45 ± 0,4	1, 2, 3	
5 Fillers	-	-	-	-	-	0,75 ± 0,05	30 ±3	0,60	6,0 ± 0,2	1, 2, 3	
FLR2X2X T4	2 x 1,0	19 x 0,26	1,50	18,5	0,16	1,8 ± 0,05					
FLR2X2X T4	2 x 1,0	19 x 0,26	1,50	18,5	0,16	1,75 ± 0,1					
2 Fillers	-	-	-	-	-	1,2 ± 0,05	30 ±3	0,60	6,0 ± 0,2	1, 3, 4	
FLR2X2X T4	3 x 1,0	19 x 0,26	1,50	18,5	0,16	1,8 ± 0,05	30 ±3	0,60	6,0 ± 0,2	1, 2, 3	
FLR2X2X T4	3 x 1,0	19 x 0,26	1,50	18,5	0,16	1,75 ± 0,1	30 ±3	0,85	6,0 ± 0,2	1, 3, 4	
FLR2X2X T4	4 x 1,0	19 x 0,26	1,50	18,5	0,16	1,8 ± 0,05	30 ±3	0,50	6,0 ± 0,2	1, 2, 3	
FLR2X2X T4	4 x 1,0	19 x 0,26	1,50	18,5	0,16	1,75 ± 0,1	30 ±3	0,85	6,0 ± 0,2	1, 3, 4	
FLR2X2X T4	5 x 1,0	19 x 0,26	1,50	18,5	0,16	1,8 ± 0,05	50 ±5	0,41	6,5 ± 0,2	1, 2, 3	
FLR2X2X T4	5 x 1,0	19 x 0,26	1,50	18,5	0,16	1,8 ± 0,1	30 ±3	0,50	6,5 ± 0,2	1, 3, 4	
Filler	-	-	-	-	-	1,25 ± 0,05					
FLR2X2X T4	2 x 1,5	37 x 0,22	1,80	12,7	0,16	2,05 ± 0,1	30 ±3	0,41	6,0 ± 0,2	1, 2, 3	
FLR2X2X T4	4 x 2,5 +	50 x 0,26	2,20	7,6	0,28	2,85 ± 0,15	50 ±5	0,41	9,1 ± 0,3	1, 2, 3	
	1 x 1,5	30 x 0,26	1,80	12,7	0,24	2,3 ± 0,1					
Filler	-	-	-	-	-	2,0 ± 0,05					

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
FLR2X2X T4	3 x 0,75	According to the order	-
FLR2X2X T4	3 x 0,75	According to the order	-
FLR2X2X T4	4 x 0,75	According to the order	-
FLR2X2X T4	2 x 1,0	According to the order	-
FLR2X2X T4	2 x 1,0	According to the order	-
FLR2X2X T4	3 x 1,0	According to the order	-
FLR2X2X T4	3 x 1,0	According to the order	-
FLR2X2X T4	4 x 1,0	According to the order	-
FLR2X2X T4	4 x 1,0	According to the order	-
FLR2X2X T4	5 x 1,0	According to the order	-
FLR2X2X T4	5 x 1,0	According to the order	-
FLR2X2X T4	2 x 1,5	According to the order	-
FLR2X2X T4	4 x 2,5 + 1 x 1,5	According to the order	-



FLR91X MAN

-40°C to 150°C



DESIGN

Conductor: CU ETP1 EN 13602, bare or tinned
 Insulation material: XPE E-beam cross-linked, zero halogen, flame retardant
 Covering: reduced wall thickness

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C to 150°C / 3000h
 Thermal overload: 200°C short term
 Min. bending radius: 3xD (static)

APPLICATION

Cable for battery or high current applications in the engine compartment.

ACCORDING TO THE STANDARD

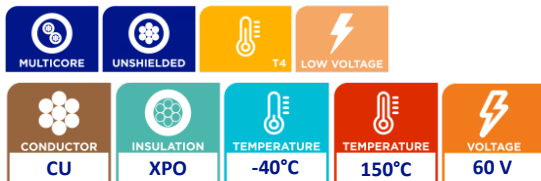
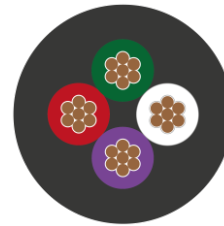
1. MAN M3135 FLR91X
2. According client's specifications

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		According to the Standard
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	
FLR91X-C	4,00	120 x 0,21	2,75	4,7	0,32	3,4 – 3,7	2
FLR91X-C	6,00	189 x 0,21	3,3	3,1	0,32	4,0 – 4,3	2
FLR91X-C	10,00	320 x 0,21	4,3	1,82	0,50	5,55 – 5,95	1, 2
FLR91X-C	16,00	512 x 0,21	5,5	1,16	0,52	6,7 – 7,1	1, 2
FLR91X-C	25,00	790 x 0,21	6,7	0,74	0,55	8,0 – 8,4	1, 2
FLR91X-C	35,00	1102 x 0,21	7,9	0,527	0,65	9,45 – 9,95	1, 2
FLR91X-C	50,00	1600 x 0,21	9,4	0,368	0,80	11,25 – 11,75	1, 2
FLR91X-C	70,00	2147 x 0,21	12,5	0,259	0,80	13,9 – 14,4	2
FLR91X-C	95,00	3000 x 0,21	14,8	0,196	0,90	16,2 – 16,7	2

Cable type		
Type	Cross-section	Weight approx./ca.
	[mm²]	[g/m]
FLR91X-C	4,00	41
FLR91X-C	6,00	60
FLR91X-C	10,00	104
FLR91X-C	16,00	165
FLR91X-C	25,00	236
FLR91X-C	35,00	340
FLR91X-C	50,00	485
FLR91X-C	70,00	700
FLR91X-C	95,00	924

S42X42X

-40°C ... 150°C



DESIGN

Conductor: Cu ETP1 acc. to EN13602
 Insulation material: XPE E-beam cross-linked
 Jacket Material: XPO E-beam cross-linked

TECHNICAL DATA

Voltage level: 60V
 Temperature range: -40°C ... 150°C/3000h

CONSTRUCTION

XPO E-beam cross-linked jacketed cable with twisted XPE E-beam cross-linked single cores.

ACCORDING TO THE STANDARD

1. According client's specifications
2. TB1914
3. ISO 19642-3

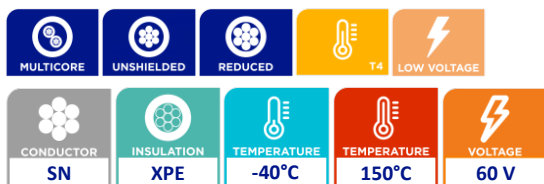
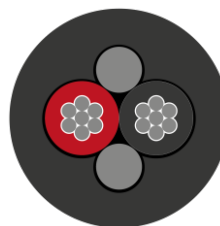
Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
S42X42X 2326894	3 x 0,75 + 5 Fillers + 1 Filler	24 x 0,21	1,2	24,7	0,16	1,8 ±0,1	36 ±1	0,7	6,45 ±0,4	1,2,3
		-	-	-	-	0,72 ±0,04				
		-	-	-	-	1,8 ±0,1				
S42X42X 2456848	4 x 0,75 + 5 Fillers	24 x 0,21	1,2	24,7	0,16	1,8 ±0,1	36 ±1	0,7	6,45 ±0,4	1,2,3
		-	-	-	-	0,72 ±0,04				
S42X42X 1343291	2 x 1 + 2 Fillers	19 x 0,26	1,5	18,5	0,16	1,75 ±0,10	29 ±3	0,6	6 ±0,2	1,2,3
		-	-	-	-	1,15 ±0,05				
S42X42X 1444580	3 x 1	19 x 0,26	1,5	18,5	0,16	1,75 ±0,10	29 ±3	0,85	6 ±0,2	1,2,3
S42X42X 1497149	4 x 1	19 x 0,26	1,5	18,5	0,16	1,75 ±0,10	29 ±3	0,85	6 ±0,2	1,2,3
S42X42X 1753227	5 x 1 + 1 Filler	19 x 0,26	1,8 ±0,1	18,5	0,16	1,8 ±0,1	29 ±3	0,5	6,5 ±0,2	1,2,3
		-	-	-	-	1,25 ±0,05				
S42X42X 1784530	8 x 1	19 x 0,26	1,5	18,5	0,16	1,8 ±0,1	100 ±10	0,85	8,2 ±0,3	1,2,3
S42X42X 2437723	2 x 1,5 2 Fillers	30 x 0,26	1,7	12,7	0,24	2,3 ±0,1	29 ±3	0,5	6 ±0,2	1,2,3
		-	-	-	-	1,5 ±0,1				
S42X42X 2597244	4 x 1,5 + 2 x 1 + 1 Filler	30 x 0,26	1,7	12,7	0,24	2,3 ±0,1	143 ±6	0,6	8,8 ±0,3	1,2,3
		19 x 0,26	1,5	18,5	0,16	2 ±0,1				
		-	-	-	-	2,3 ±0,1				
S42X42X 2745652	4 x 1,5 + 4 x 1 + 1 Filler	30 x 0,26	2,3 ±0,1	12,7	0,24	2,3 ±0,1	167 ±8	0,4	10,5 ±0,4	1,2,3
		19 x 0,26	2 ±0,1	18,5	0,16	2 ±0,1				
		-	-	-	-	4,6 ±0,2				

Type	Conductor				Core		Cable			
	Geometry			Resistance (20°C)	Geometry		Geometry			According to the Standard
	Cross-Section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax. [mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
S42X42X 2326895	4 x 2,5 + 1 x 1,5 + 1 Filler	50 x 0,26	2,2	7,6	0,28	2,85 ±0,15	100 ±10	0,5	9,1 ±0,3	1,2,3
		30 x 0,26	1,7	12,7	0,24	2,3 ±0,1				
		-				1,9 ±0,1				
S42X42X 2419358	7 x 2,5	50 x 0,26	2,2	7,6	0,28	2,8 ±0,2	120 ±10	0,7	10,8 ±0,4	1,2,3
S42X42X 1786602	6 x 2,5 + 1 x 1,5 + 1 x 0,75 + 1 Filler + (2 x 0,75 + 2 Fillers)	50 x 0,26	2,2	7,6	0,28	2,85 ±0,15	85 ±15 (42 ±8)	0,6	14,8 ±0,4	1,2,3
		30 x 0,26	1,7	12,7	0,24	2,3 ±0,1				
		24 x 0,21	1,2	24,7	0,16	1,65 ±0,05				
		-				2,85 ±0,15				
		24 x 0,21	1,2	24,7	0,70	3,0 ±0,1				
S42X42X 2645870	4 x 4 + 1 x 1	56 x 0,31	2,8	4,71	0,32	3,55 ±0,15	100 ±10	0,4	10,3 ±0,3	1,2,3
		19 x 0,26	1,5	18,5	0,16	1,8 ±0,05				

Cable type			
Type	Cross-Section	Color	Approx. Weight
	[mm²]		[g/m]
S42X42X 2326894	3 x 0,75 + 5 Fillers + 1 Filler	BK_PK-WH-GY	-
S42X42X 2456848	4 x 0,75 + 5 Fillers	BK_PK-WH-GY-BU	62
S42X42X 1343291	2 x 1 + 2 Fillers	BK_RD-BK	47
S42X42X 1444580	3 x 1	BK_RD-BK-GN	57
S42X42X 1497149	4 x 1	BK_RD-BK-GN-YE	66
S42X42X 1753227	5 x 1 + 1 Filler	BK_RD-BK-GN-YE-WH	77
S42X42X 1784530	8 x 1	BK_RD-BK-GN-YE-BU-WH-BN-OG	115
S42X42X 2437723	2 x 1,5 2 Fillers	BK_BK-RD	-
S42X42X 2597244	4 x 1,5 + 2 x 1 + 1 Filler	BK_GN-YE-BU-WH-BK-RD	130
S42X42X 2745652	4 x 1,5 + 4 x 1 + 1 Filler	BK_GN-YE-BU-WH-VT-BN-OG-PK	168
S42X42X 2326895	4 x 2,5 + 1 x 1,5 + 1 Filler	BK_RD-RD/WH-BK-BK/WH-RD	162
S42X42X 2419358	7 x 2,5	BK_BK-YE-GY-BN-OG-BU-VT	-
S42X42X 1786602	6 x 2,5 + 1 x 1,5 + 1 x 0,75 + 1 Filler + (2 x 0,75 + 2 Fillers)	BK_BK-BU-RD/WH-BK/WH-VT-GY -GN-YE-(WH-RD)	-
S42X42X 2645870	4 x 4 + 1 x 1	BK_RD-BK-WH-GY-GN	-

S6Y42X

-40°C to 150°C



DESIGN

Conductor: CU ETP1 according EN 13602, tinned
Insulation material: FEP (Perfluorethylene-Propylene)
Jacket Material: XPE E-beam cross-linked

TECHNICAL DATA

Voltage level: 60V
Temperature range: -40°C to 150°C / 3000h

CONSTRUCTION

XPE E-beam cross-linked jacketed cable with twisted FEP single cores

ACCORDING TO THE STANDARD

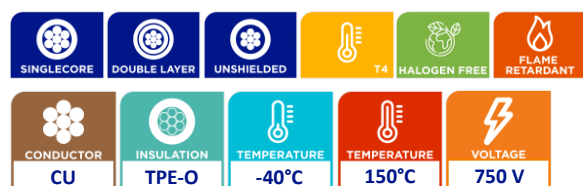
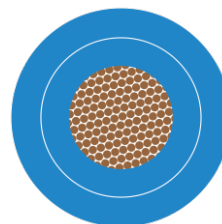
1. According client's specifications
2. TB1914
3. ISO 19642

Type	Conductor				Core		Cable			According to the Standard
	Geometry			Resistance (20°C)	Geometry		Geometry			
	Cross-section	Construction	Diameter max.	Bare max.	Wall thickness min.	Diameter	Lay length	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	[mm]	
S6Y42X 1399335	2 x 1,5 + 2 Fillers	37 x 0,22	1,7	13,0	0,25	2,05 ±0,1	50 ±3	0,6	6,0 ±0,2	1, 2, 3
	Filler	-	-	-	-	1.35 ±0.05				

Cable type			
Type	Cross-section	Color	Weight approx.
	[mm ²]		[g/m]
S6Y42X 1399335	2 x 1,5 + 2 Fillers	BK_RD-BK	59

SBBB HFFR

-40°C to 150°C



DESIGN

Conductor: CU class 6, acc. IEC 60228
 Insulation material: Cross-linked polyolefin
 Halogen free, flame retardant
 Sheath Material: Cross-linked polyolefin
 Halogen free, flame retardant

CONSTRUCTION

Insulation and sheath conjoined.

TECHNICAL DATA

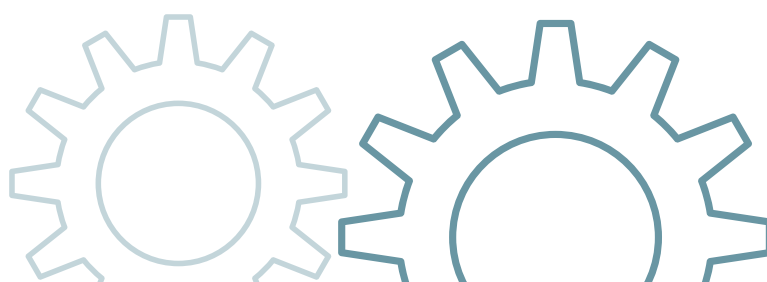
Voltage level: 750V
 Temperature range: -40°C to 150°C / 3000

ACCORDING TO THE STANDARD

1. Volvo 1061263, 003

Type	Conductor				Core		Cable		
	Geometry			Resistance (20°C)	Geometry		Geometry		According to the Standard
	Cross-section	Construction	Diameter nom.	Bare max.	Wall thickness min.	Diameter	Wall thickness min.	Diameter	
	[mm²]	N x Ømax.[mm]	[mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]	
SBBB HFFR	16,00	512 x 0,21	5,3	1,16	0,53	6,50 – 6,90	0,58	8,10 – 8,50	1
SBBB HFFR	70,00	2147 x 0,21	10,9	0,259	0,62	12,00 – 13,50	1,26	15,0 – 16,20	1

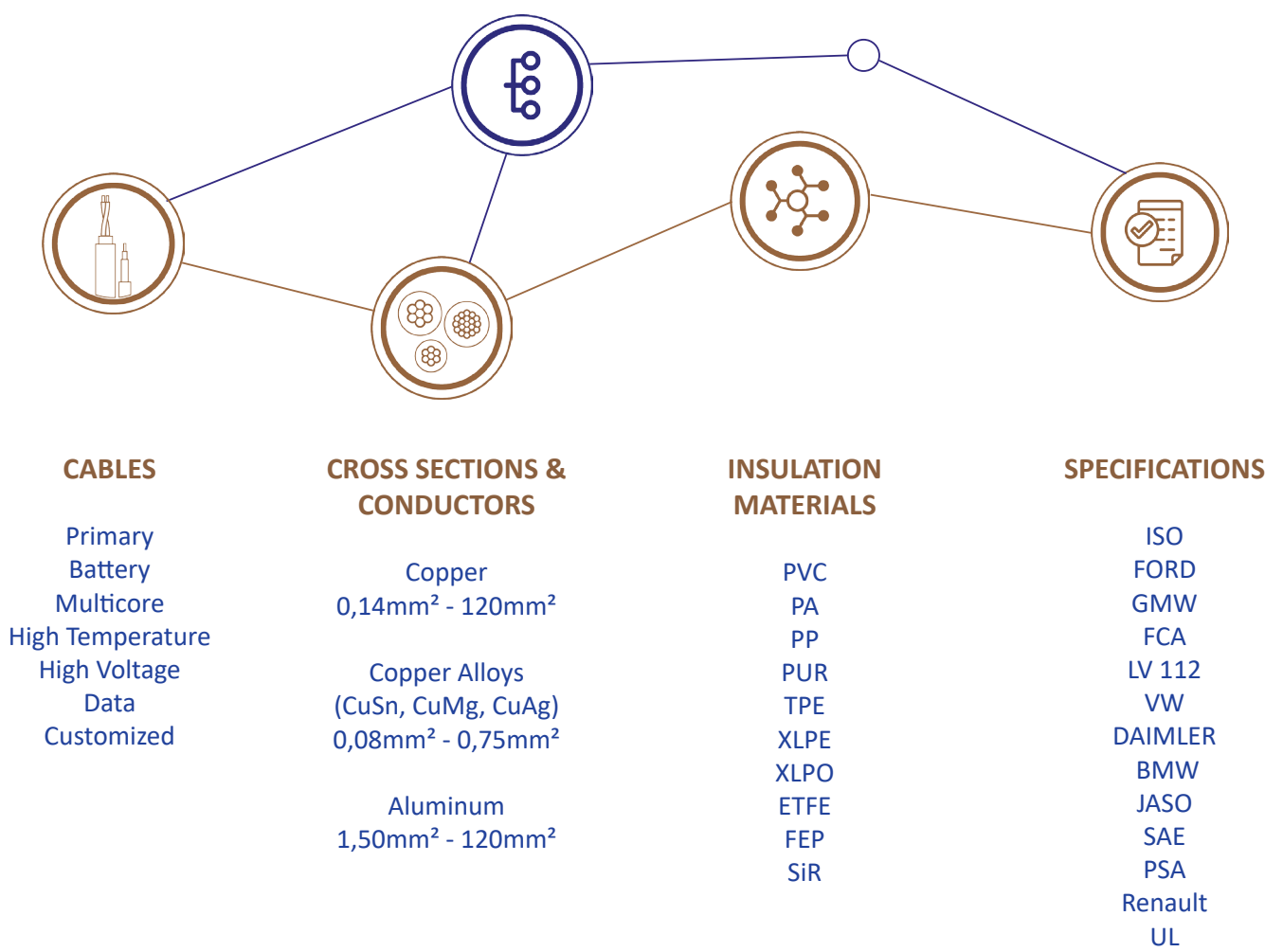
Cable type		
Type	Cross-section	Weight Approx.
	[mm²]	[g/m]
SBBB HFFR	16,00	182
SBBB HFFR	70,00	747



TECHNICAL INFORMATION



OUR PRODUCT RANGE



THIS DOCUMENT

concerns specifically TRUCK cables.

To consult other brands of our wide product range, please ask for the related catalogs or Technical Datasheets at customeronlinerequest@coficab.com

We offer a wide range of products through several brands corresponding to the different applications and requirements that you need.

TECHNICAL INFORMATION

Cable type code according to DIN 76722

The abbreviation code describes the cable construction, from inside to outside. The code block always starts with one of the following character groups, depending on the nominal voltage:

CODE	MEANING
FL	Vehicle cable - voltage class A as defined in ISO 6469-3
FHL	Vehicle high-voltage cable - voltage class B as defined in ISO 6469-3

Special design feature codes

Where necessary, the code for special design features is placed directly after the cable type code.

CODE	MEANING
F	Flat cable
K	Compressed conductor

Conductor material codes

Where necessary, the conductor material code is placed after the cable type code and the code(s) identifying special design features. No code is used for copper conductors. Other conductor materials shall be identified by the codes listed in Table:

CODE	MEANING
Al	Aluminium
CuSn03	Copper-tin alloy
CuMg02	Copper-magnesium alloy
M	Other conductor materials

Insulation wall thickness

Where necessary, the code for the insulation wall thickness is placed after the codes for cable type, conductor material and special design features.

CODE	MEANING
R	Reduced insulation thickness ("thin wall" as defined in ISO 19642)
U	Ultra-reduced insulation thickness ("ultra-thin wall" as defined in ISO 19642)
S	Special insulation thickness
no code	Thick-walled insulation ("thick wall" as defined in ISO 19642)

Insulation and sheath materials

The code for insulation materials is placed after the codes for cable type, conductor material, special design features and insulation wall thickness.

CODE	MEANING
Y	PVC (polyvinyl chloride)
2Y	PE (polyethylene)
4Y	PA (polyamide)
6Y	FEP (tetrafluoroethylene/hexafluoropropylene)
7Y	E-TFE (ethylene/tetrafluoroethylene)
9Y	PP (polypropylene)
11Y	TPE-U (thermoplastic polyurethane, PUR)
13Y	TPE-E (thermoplastic polyester elastomer)
31Y	TPE-S (thermoplastic styrol-block-copolymer)
51Y	PFA (perfluoroalkoxy alkane)
91Y	TPE-O (thermoplastic polyolefin elastomer)
2G	SIR (silicone rubber)

Where an "X" is used in the code instead of a "Y", the respective polymer is used in the cross-linked form. If foamed materials are used, "O" is placed in front of the respective code.

Non-extruded cladding

In the abbreviation code block, the code indicating non-extruded cladding (see Table 6) is placed at the position corresponding to the location of the cladding in the cable structure, beginning from the center outwards.

CODE	MEANING
B	foil shielding
C	braided shielding, metal
D	spiral wire (or served) shielding, metal

Temperature class

TEMPERATURE CLASS	CODE	OPERATING TEMPERATURE	
		LONG-TERM USE (3000h)	SHORT-TERM USE (240h)
A	T1	-40°C to +85°C	to +110°C
B	T2	-40°C to +105°C	to +130°C
C	T3	-40°C to +125°C	to +150°C
D	T4	-40°C to +150°C	to +175°C
E	T5	-40°C to +175°C	to +200°C
E (180)	T5	-40°C to +180°C	to +205°C
F	T6	-40°C to +200°C	to +225°C

Number of cores, nominal conductor cross section, specific DC resistance per unit length

The information on the number of cores, the nominal conductor cross-section and specific DC resistance per unit length (only for resistance cables) is placed at the end of the identification code block and separated from it by a space.

The following information is to be provided in the following order:

- a) for single-core cables and cores in multicore cables:
 - 1) the nominal cross-sectional area in mm²;
 - 2) if there are special requirements on flexibility, the maximum individual strand diameter can be specified after the nominal cross-section and separated from this by a slash;
 - 3) if wires with coated surfaces are used, the code for the coating material shall be appended to the numerical value of the nominal cross-section and/or of the maximum individual strand diameter; and
 - 4) conductor structures can be identified in accordance with ISO 19642 (all parts) by the letter A (for symmetrical), B (for asymmetrical) or C (for asymmetrical, fine strands);
- b) for multicore cables:
 - 1) the number of cores;
 - 2) the nominal cross-sectional area in mm²;
 - 3) the maximum diameter of a single strand, if there are special requirements for conductor flexibility and
 - 4) if wires with coated surfaces are used, the code for the coating material;
- c) for resistance cables, the specific DC resistance per unit length shall be specified, in mΩ/m, after the nominal cross-sectional value.

Conductor structures and surface coatings

CODE	MEANING
A	symmetrical structure as specified in ISO 19642 (all parts)
B	asymmetrical structure as specified in ISO 19642 (all parts)
C	asymmetrical structure as specified in ISO 19642 (all parts), with fine strands
S	standard structure as specified in ISO 19642
F	flexible structure as specified in ISO 19642
Sn	tin-coated wire surface

Nominal voltage

In the case of high-voltage cables for vehicles, the nominal voltage is stated in kV (AC/DC), and the value is entered after the temperature value and separated from this by a slash.

COFFLEX

COFFLEX is an extra flexible innovative insulation exclusively made by COFICAB.

PRINTING

According to OEM applicable standard.

ENVIRONMENTAL PROPERTIES

In conformity with EU End-of-life Directive 2000/53/EC (EU End-of-life Vehicle Directive) and EU RoHS Directive 2011/65/EU (amended by 2015/863)

In conformity with REACH Regulation (EC) No 1907/2006
No content of restricted substances acc. to VDA 232-101



COFICAB WORLDWIDE



OUR LOCATIONS

OUR MANUFACTURING SITES

MEXICO

AV Fidel Velazquez Sanchez 1500 COL 20 de Noviembre 34234 Durango - MEXICO
+52 61 8137 1400

Calle Mina de Guadalupe #780 Colonia Parque Industrial Santa Fe IV 36275, Puerto Interior, Silao de la Victoria Guanajuato Leon - MEXICO
+52 47 7162 2535

Circuito Intermex Sur 1551 Oriente Parque Industrial Intermex Sur 32575 Cd Juarez, Chihuahua - MEXICO

MOROCCO

Zone Franche d'Exportation, Lot N°15, Lot N°8-Km 13, Route de Rabat, 90 000 Tanger - MOROCCO
+212 539 39 35 69

Atlantic Free Zone, Lot 186-187, Route nationale N°4, Commune Amer Safliia - Kénitra - MOROCCO
+212 538 00 48 00

PORTUGAL

EN 18.1 Km 2,5 - Lote 46 6300-230 Vale de Estrela, Guarda - PORTUGAL
+351 271 205 090

EM 531

PLIE Lote 1
6300-070 Casal de Cinza – Guarda - PORTUGAL

TUNISIA

40, rue 18 Janvier 1952, 1001 Tunis RP - TUNISIA
+216 71 156 000

Z.I Chakira, Route de Fouchana, Sedjoumi, 1095 Tunis - TUNISIA
+216 71 156 000

Z.I III, Hinchir Boumouss, 9070 Medjez El Beb - TUNISIA
+216 78 109 500

SERBIA

Selište 3, 22441 Deč, Municipality of Pećinci - REPUBLIC OF SERBIA
+381 22 215 2000

ROMANIA

Arcestii Rahtvani FN, Prahova County, 107025 Ploiesti - ROMANIA
+40 374 419 100

Zona Industriala de Vest III, NR. 2, 310491 Arad - ROMANIA
+40 257 202 600

CHINA

No.23 Kaiyuan Road, Wuqing Development Area, New Technology Industrial Park, Tianjin – CHINA
+86 22 5901 0920

HONDURAS

Green Valley Industrial Park Carretera a Occidente Km. 23, Quimistan - Parcela # 6A - Santa Bárbara - HONDURAS

OUR CENTERS OF EXCELLENCE

MEXICO

Circuito Intermex Sur 1551 Oriente, Parque Industrial Intermex Sur, 32575 Ciudad Juarez, Chihuahua - MEXICO
+52 61 8137 1400

PORTUGAL

Lote 46. EN 18.1 Km 2,5 6300-230 Vale de Estrela, Guarda - PORTUGAL
+351 271 205 090

TUNISIA

Z.I Chakira, Route de Fouchana, Sedjoumi, 1095 Tunis - TUNISIA
+216 71 156 000

OUR SALES & R&D OFFICES

GERMANY

COFICAB Deutschland GmbH
Neumeyerstr. 34, 90411 Nürnberg - GERMANY
+49 (0) 911 5975 2037

USA

29777 Telegraph Road, Suite 2100, 48034 Southfield, Michigan - USA
+1 91 5867 1242

OUR SALES AND REPRESENTATION OFFICES

USA

5970 Silver Springs Dr, El Paso, TX 79912, EE. UU. - USA

CHINA

Room 601, No. 388 North Fuquan Road, Changning District, 200335 Shanghai - CHINA

SPAIN

Calle José Maria Escuzza, 20, 1ª 48018 Bilbao - SPAIN

INDIA

OUR ADVANCED DELIVERY CENTERS

TUNISIA

Z.I Messadin BP 67, 4000 - Sousse - TUNISIA

NORTH MACEDONIA

Industriska no. 2, 1430 Kavadarci - REPUBLIC OF NORTH MACEDONIA

MOROCCO

Zone Franche d'Exportation, Lot N°73, Lot N°2-Km 13, Route de Rabat, 90 000 Tanger - MOROCCO
+212 539 39 35 69

Tunisia: Two Manufacturing Sites in Tunis and in Medjez El Beb, Center of Excellence in Tunis, Advanced Delivery Center in Sousse

Morocco: Two Manufacturing Sites in Tanger and in Kenitra, Advanced Delivery Center in Tanger

Deutschland: Sales and R&D Office in Nuremberg

Portugal: Two Manufacturing Sites in Guarda, Center of Excellence in Guarda

Spain: Sales and Representation Office in Bilbao

Romania: Two Manufacturing Sites in Arad and in Ploiesti

Serbia: Manufacturing Site in Belgrade

North Macedonia: Advanced Delivery Center in Kavadarci

China: Manufacturing Site in Tianjin, Sales Office in Shanghai

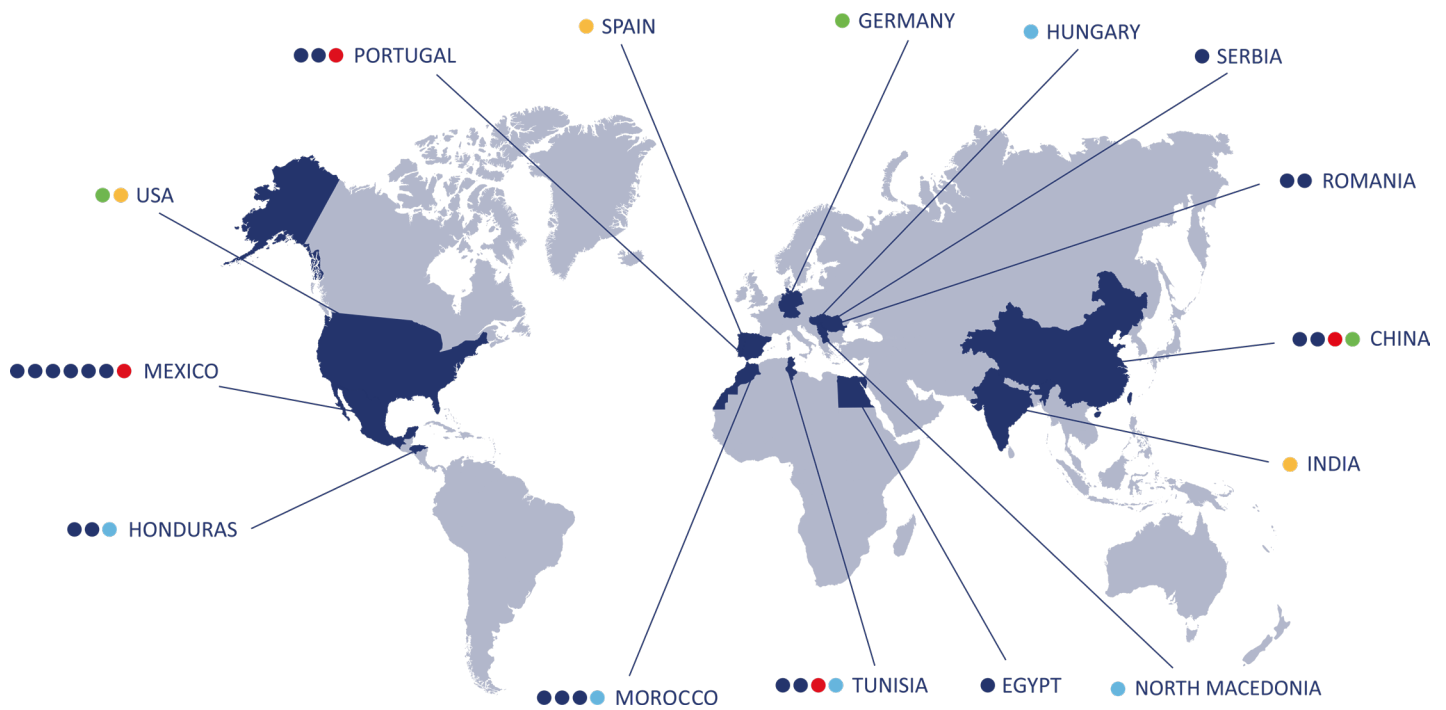
USA: Sales and R&D Office in Detroit Sales Office in El Paso.

Mexico: Three Manufacturing Sites in Durango, Leon and Juarez, Center of Excellence in Juarez

Honduras: Manufacturing Site in San Pedro Sula

India: Sales and Representation Office

OUR FOOTPRINT



- **MANUFACTURING SITE**
- **ADVANCED DELIVERY CENTER**
- **R&D CENTER OF EXCELLENCE**
- **SALES & CUSTOMER TECHNICAL SUPPORT OFFICE**
- **SALES & REPRESENTATION OFFICE**

COFICAB CAN ENSURE THE SAME PRODUCT PORTFOLIO GLOBALLY AND AVOIDS OVERSEAS SHIPMENTS.



This document concerns specifically TRUCK Cables,
To consult other brands of our wide product range,
please ask for the related catalogs or Technical Datasheets at:

customeronlinerequest@coficab.com

Information in this document translates the state of knowledge at the date of their issuance and are provided only for informative purposes without any warranty granted for their content or integrity, unless otherwise or elsewhere expressly guaranteed by COFICAB in writing.
The information regarding product specifications mentioned in this document (i.e sizes, values, tolerances, properties, performance features, etc) are provided here only as reference values. Such information and related quality guarantee are binding only when agreed within the relevant agreements duly concluded with COFICAB.
This document and the information contained in cannot be copied, reprinted, reproduced, or disseminated in any form either wholly or in part, otherwise than for the strict purpose for which this document was provided, without the prior written consent of COFICAB.
When dealing with this document, please take care of trademarks and brand names mentioned in whether belonging to COFICAB or other stakeholders, COFICAB assumes no liability for the breaches made by the recipient(s) of the document and reserves the right to take the necessary actions in case of any infringement.
COFICAB herewith reserves the right to modify the content of this catalog at any time.

CABLES FOR TOMORROW'S TECHNOLOGIES

