



## WIRES & CABLES FOR TOMORROW'S TECHNOLOGIES

A hand wearing a red nitrile glove holds a red cable with a copper braid. The background is a close-up of an engine with various mechanical parts like belts and pulleys. In the foreground, several other cables in blue, red, and green are shown, each with the COFICAB logo on its jacket. White, stylized circuit lines are overlaid on the image.

# HIGH FLEXIBLE CROSSLINKED POLYOLEFIN CABLES FOR AUTOMOTIVE APPLICATIONS



As an answer to the demand of the market in terms of flexibility, price, temperature, mechanical performance and resistance to fluids, COFICAB develops cables for Low and High voltage applications insulated with an extra flexible polyolefin compound.

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# 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.

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**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.**

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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.





# HIGH FLEXIBLE CROSSLINKED POLYOLEFIN CABLES FOR AUTOMOTIVE APPLICATIONS

COPPER CONDUCTOR  
Small cross-sections

COPPER CONDUCTOR  
Battery cross-sections

ALUMINIUM CONDUCTOR



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

# COFFLEX OVERVIEW

Along with market tendencies on high energy demand and long distances between battery and load, the cross-sections of battery cables increase more and more. Complex routing and narrow spaces are additional problems to solve.

Standard XLPE battery cables offer a good solution in terms of cost, chemical and mechanical properties. However, big cable sizes have poor flexibility. As an alternative, silicon cables can be used when narrow spaces require a battery cable with high flexibility. But silicone cables have some weak points, like poor mechanical properties, and they are sensitive to some fluids, like battery acid.

As an answer to the demand of the market in terms of flexibility, price, temperature performance, and resistance to fluids, COFICAB developed an extra flexible polyolefin based insulation material. This new insulation compound combines the advantages of XLPE and the flexibility of Silicone: a competitive price, a good performance, and the flexibility of Silicone.

**COFICAB COFFLEX cables offer a real cost saving solution to replace Silicone insulated cables and get an extra performance in fluids resistance and mechanical strength. This allows a more efficient solution in environments, where Silicone was an option only due to its flexibility and because of high temperature loads.**



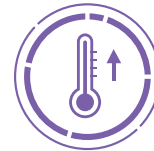
**HIGH FLEXIBILITY**



**IMPROVED MECHANICAL PROPERTIES**



**IMPROVED CHEMICAL PROPERTIES**



**TEMPERATURE CLASS UP TO 150°**



**FULFILLING LV112 ISO 19642**

Comparing the properties of XLPE, COFFLEX and Silicone cables shows the benefit of using COFFLEX cables instead of Standard XLPE cables, or silicone battery cables. Regarding the flexibility, the properties can be measured with a bending test acc. to LV112:

## FLEXIBILITY

CROSS-SECTION	FLR2X-C T3/T4 (XLPE)	COFFLEX T3/T4 (XLPO)	FL2G-C (Sir)
10mm <sup>2</sup>	6,5 N / 8,3 N	<b>2,6 N / 3,1 N</b>	3,5 N / 4,3 N
16mm <sup>2</sup>	13,9 N / 12,7 N	<b>4,6 N / 5,0 N</b>	6,3 N / 6,8 N
25mm <sup>2</sup>	16,5 N / 20,4 N	<b>10,0 N / 11,3 N</b>	10,7 N / 12,5 N
35mm <sup>2</sup>	47,5 N / 47,6 N	<b>18,4 N / 18,7 N</b>	15,2 N / 15,5 N

Regarding the fluid resistance, COFFLEX cables have the same level as XLPE cables while Silicone cables are sensitive to battery acid.

## FLUID RESISTANCE

CROSS-SECTION	FLR2X-C T3/T4 (XLPE)	COFFLEX T3/T4 (XLPO)	FL2G-C (Sir)
10mm <sup>2</sup>	+++	+++	+
16mm <sup>2</sup>	+++	+++	+
25mm <sup>2</sup>	+++	+++	+
35mm <sup>2</sup>	+++	+++	+

## TEMPERATURE CLASS

(ISO 19642)

Class C (-40°C; +125°C) and Class D (-40°C; +150°C)

## VOLTAGE RATE

60V and up to 1500V\*

## INSULATION THICKNESS

Thin wall and thick wall available

## CONDUCTOR TYPE

Copper and aluminum

\*High voltage applications (e-COF Catalog).



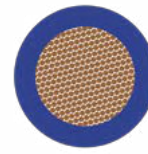
# COPPER CONDUCTOR

## Small cross-sections

COFFLEX-R T3	7
COFFLEX T3	8
COFFLEX-R T4	9
COFFLEX T4	1

# COFFLEX-R T3

-40°C to 125°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Reduced wall thickness

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 125°C / 3000h  
 Min. bending radius: 3xD (static)

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## ACCORDING TO THE STANDARD

ISO 19642-3  
 LV 112-1

Type	Conductor				Cable		
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N x Ømax.[mm]		Diameter max. [mm]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-R-B T3	2,50	-	50 x 0,26	2,2	7,6	0,28	2,7 – 3,0
COFFLEX-R-C T3	2,50	Flexible	140 x 0,16	2,2	7,6	0,28	2,7 – 3,0
COFFLEX-R-B T3	4,00	Standard	56 x 0,31	2,8	4,7	0,32	3,4 – 3,7
COFFLEX-R-C T3	4,00	-	120 x 0,21	2,8	4,7	0,32	3,4 – 3,7
COFFLEX-R-B T3	6,00	Standard	84 x 0,31	3,4	3,1	0,32	4,0 – 4,3
COFFLEX-R-C T3	6,00	Flexible	189 x 0,21	3,4	3,1	0,32	4,0 – 4,3

Cable type		
Type	Cross-section	Weight approx.
	[mm <sup>2</sup> ]	[g/m]
COFFLEX-R-B/C T3	2,50	27
COFFLEX-R-B/C T3	4,00	41
COFFLEX-R-B/C T3	6,00	60



# COFFLEX T3

-40°C to 125°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Thick-wall insulation

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 125°C / 3000h  
 Min. bending radius: 3xD (static)

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## ACCORDING TO THE STANDARD

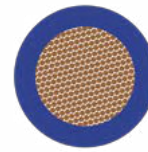
ISO 19642-3

Type	Conductor				Cable		
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N* x Ømax.[mm]		Diameter max. [mm]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-B T3	2,50	-	50 x 0,26	2,2	7,6	0,56	3,30 – 3,60
COFFLEX-B T3	2,50	Flexible	140 x 0,16	2,2	7,6	0,56	3,30 – 3,60
COFFLEX-B T3	4,00	Standard	56 x 0,31	2,8	4,7	0,64	4,00 – 4,40
COFFLEX-C T3	4,00	-	120 x 0,21	2,8	4,7	0,64	4,00 – 4,40
COFFLEX-B T3	6,00	Standard	84 x 0,31	3,4	3,1	0,64	4,60 – 5,00
COFFLEX-C T3	6,00	Flexible	183 x 0,21	3,4	3,1	0,64	4,60 – 5,00

Cable type		
Type	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-B/C T3	2,50	30
COFFLEX-B/C T3	4,00	46
COFFLEX-B/C T3	6,00	66

# COFFLEX-R T4

-40°C to 150°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Reduced wall thickness

## TECHNICAL DATA

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

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## ACCORDING TO THE STANDARD

ISO 19642-3  
 LV 112-1

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N* x Ømax.[mm]	Diameter max. [mm]	Bare max. [mΩ/m]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-R-B T4	2,50	-	50 x 0,26	2,2	7,6	0,28	2,7 – 3,0
COFFLEX-R-C T4	2,50	Flexible	140 x 0,16	2,2	7,6	0,28	2,7 – 3,0
COFFLEX-R-B T4	4,00	Standard	56 x 0,31	2,8	4,7	0,32	3,4 – 3,7
COFFLEX-R-C T4	4,00	-	120 x 0,21	2,8	4,7	0,32	3,4 – 3,7
COFFLEX-R-B T4	6,00	Standard	84 x 0,31	3,4	3,1	0,32	4,0 – 4,3
COFFLEX-R-C T4	6,00	Flexible	183 x 0,21	3,4	3,1	0,32	4,0 – 4,3

Cable type		
Type	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-R-B/C T4	2,50	27
COFFLEX-R-B/C T4	4,00	41
COFFLEX-R-B/C T4	6,00	60

# COFFLEX T4

-40°C to 150°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Thick-wall insulation

## TECHNICAL DATA

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

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## ACCORDING TO THE STANDARD

ISO 19642-3

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N* x Ømax.[mm]		Diameter max. [mm]	Bare max. [mΩ/m]	Wall thickness min. [mm]
COFFLEX-B T4	2,50	-	50 x 0,26	2,2	7,6	0,56	3,30 – 3,60
COFFLEX-C T4	2,50	Flexible	140 x 0,16	2,2	7,6	0,56	3,30 – 3,60
COFFLEX-B T4	4,00	Standard	56 x 0,31	2,8	4,7	0,64	4,00 – 4,40
COFFLEX-C T4	4,00	-	120 x 0,21	2,8	4,7	0,64	4,00 – 4,40
COFFLEX-B T4	6,00	Standard	84 x 0,31	3,4	3,1	0,64	4,60 – 5,00
COFFLEX-C T4	6,00	Flexible	183 x 0,21	3,4	3,1	0,64	4,60 – 5,00

Cable type		
Type	Cross-section	Weight approx.
	[mm <sup>2</sup> ]	[g/m]
COFFLEX-B/C T4	2,50	30
COFFLEX-B/C T4	4,00	46
COFFLEX-B/C T4	6,00	63



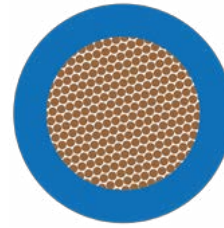
# COPPER CONDUCTOR

## Battery cross-sections

COFFLEX-R T3	12
COFFLEX T3	13
COFFLEX-R T4	14
COFFLEX T4	15

# COFFLEX-R T3

-40°C to 125°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Reduced wall thickness

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 125°C / 3000h  
 Min. bending radius: 3xD (static)

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## ACCORDING TO THE STANDARD

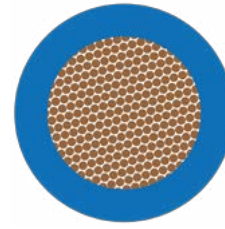
ISO 19642-3  
 LV 112-1

Type	Conductor				Resistance (20°C)	Cable	
	Geometry			Diameter max. [mm]		Geometry	
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N* x Ømax.[mm]		Bare max. [mΩ/m]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-R-B T3	10,00	-	80 x 0,41	4,5	1,82	0,48	5,4 – 5,8
COFFLEX-R-C T3	10,00	Flexible	320 x 0,21	4,5	1,82	0,48	5,4 – 5,8
COFFLEX-R-B T3	16,00	-	126 x 0,41	5,5	1,16	0,52	6,5 – 7,0
COFFLEX-R-C T3	16,00	Flexible	512 x 0,21	5,5	1,16	0,52	6,5 – 7,0
COFFLEX-R-B T3	25,00	-	196 x 0,41	7,0	0,743	0,52	8,2 – 8,7
COFFLEX-R-C T3	25,00	Flexible	790 x 0,21	7,0	0,743	0,52	8,2 – 8,7
COFFLEX-R-B T3	35,00	-	276 x 0,41	8,3	0,527	0,64	9,8 – 10,4
COFFLEX-R-C T3	35,00	Flexible	1070 x 0,21	8,3	0,527	0,64	9,8 – 10,4
COFFLEX-R-B T3	50,00	-	396 x 0,41	9,8	0,368	0,72	11,5 – 12,2
COFFLEX-R-C T3	50,00	Flexible	1600 x 0,21	10,5	0,368	0,72	11,8 – 12,2
COFFLEX-R-C T3	70,00	Flexible	2147 x 0,21	12,5	0,259	0,80	14,0 – 14,4
COFFLEX-R-C T3	95,00	Flexible	3000 x 0,21	14,7	0,196	0,88	16,2 – 16,7

Type	Cable type	
	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-R-B/C T3	10,00	111
COFFLEX-R-B/C T3	16,00	171
COFFLEX-R-B/C T3	25,00	260
COFFLEX-R-B/C T3	35,00	368
COFFLEX-R-B/C T3	50,00	509
COFFLEX-R-C T3	70,00	698
COFFLEX-R-C T3	95,00	899

# COFFLEX T3

-40°C to 125°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Thick-wall insulation

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 125°C / 3000h  
 Min. bending radius: 3xD (static)

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## ACCORDING TO THE STANDARD

ISO 19642-3  
 LV 112-1

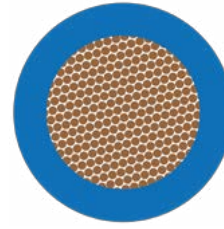
Type	Conductor				Cable		
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		
	Cross-section [mm²]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N x Ømax.[mm]		Diameter max. [mm]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-B T3	10,00	-	80 x 0,41	4,5	1,82	0,80	5,90 – 6,50
COFFLEX-C T3	10,00	Flexible	320 x 0,21	4,5	1,82	0,80	5,90 – 6,50
COFFLEX-B T3	16,00	-	126 x 0,41	5,8	1,16	0,80	7,70 – 8,30
COFFLEX-C T3	16,00	Flexible	512 x 0,21	5,8	1,16	0,80	7,70 – 8,30
COFFLEX-B T3	25,00	-	196 x 0,41	7,2	0,743	1,04	9,70 – 10,40
COFFLEX-C T3	25,00	Flexible	790 x 0,21	7,2	0,743	1,04	9,40 – 10,40
COFFLEX-B T3	35,00	-	276 x 0,41	8,5	0,527	1,04	11,00 – 11,60
COFFLEX-C T3	35,00	Flexible	1102 x 0,21	8,5	0,527	1,04	10,10 – 11,60
COFFLEX-B T3	50,00	-	396 x 0,41	10,5	0,368	1,20	12,90 – 13,50
COFFLEX-C T3	50,00	Flexible	1600 x 0,21	10,5	0,368	1,20	12,00 – 13,50
COFFLEX-C T3	70,00	Flexible	2147 x 0,21	12,5	0,259	1,20	14,00 – 15,50
COFFLEX-C T3	95,00	Flexible	3000 x 0,21	14,8	0,196	1,28	16,20 – 18,00
COFFLEX-C T3	120,00	Flexible	3648 x 0,21	16,5	0,153	1,28	17,90 – 19,70

Type	Cable type	
	Cross-section [mm²]	Weight approx. [g/m]
COFFLEX-B/C T3	10,00	115
COFFLEX-B/C T3	16,00	182
COFFLEX-B/C T3	25,00	281
COFFLEX-B/C T3	35,00	385
COFFLEX-B/C T3	50,00	525
COFFLEX-C T3	70,00	706
COFFLEX-C T3	95,00	930
COFFLEX-C T3	120,00	1 205



# COFFLEX-R T4

-40°C to 150°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Reduced wall thickness

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## TECHNICAL DATA

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

## ACCORDING TO THE STANDARD

ISO 19642-3  
 LV 112-1

## APPLICATION

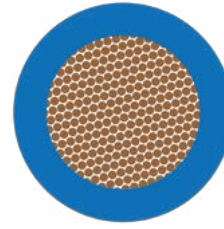
Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction Aufbau N* x Ømax.[mm]		Diameter max. [mm]	Bare max. [mΩ/m]	Wall thickness min. [mm]
COFFLEX-R-B T4	10,00	-	80 x 0,41	4,5	1,82	0,48	5,4 – 5,8
COFFLEX-R-C T4	10,00	Flexible	320 x 0,21	4,5	1,82	0,48	5,4 – 5,8
COFFLEX-R-B T4	16,00	-	126 x 0,41	5,5	1,16	0,52	6,5 – 7,0
COFFLEX-R-C T4	16,00	Flexible	512 x 0,21	5,5	1,16	0,52	6,5 – 7,0
COFFLEX-R-B T4	25,00	-	196 x 0,41	7,0	0,743	0,52	8,2 – 8,7
COFFLEX-R-C T4	25,00	Flexible	790 x 0,21	7,0	0,743	0,52	8,2 – 8,7
COFFLEX-R-B T4	35,00	-	276 x 0,41	8,3	0,527	0,64	9,8 – 10,4
COFFLEX-R-C T4	35,00	Flexible	1102 x 0,21	8,3	0,527	0,64	9,8 – 10,4
COFFLEX-R-B T4	50,00	-	396 x 0,41	9,8	0,368	0,72	11,5 – 12,2
COFFLEX-R-C T4	50,00	Flexible	1600 x 0,21	10,5	0,368	0,72	11,8 – 12,2
COFFLEX-R-C T4	70,00	Flexible	2147 x 0,21	12,5	0,259	0,80	14,0 – 14,4
COFFLEX-R-C T4	95,00	Flexible	3000 x 0,21	14,7	0,196	0,88	16,2 – 16,7

Type	Cable type	
	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-R-B/C T4	10,00	111
COFFLEX-R-B/C T4	16,00	171
COFFLEX-R-B/C T4	25,00	260
COFFLEX-R-B/C T4	35,00	368
COFFLEX-R-B/C T4	50,00	509
COFFLEX-R-C T4	70,00	698
COFFLEX-R-C T4	95,00	899

# COFFLEX T4

-40°C to 150°C



## DESIGN

Conductor: CU ETP1 EN 13602, bare  
 Insulation material: XPO E-beam cross-linked  
 Covering: Thick-wall insulation

## TECHNICAL DATA

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

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with high temperatures.

## ACCORDING TO THE STANDARD

ISO 19642-3  
 LV 112-1

Type	Conductor				Cable		
	Geometry			Resistance (20°C)	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-3 (tab.A2)	Construction N x Ømax.[mm]		Diameter max. [mm]	Bare max. [mΩ/m]	Wall thickness min. [mm]
COFFLEX-B T4	10,00	-	80 x 0,41	4,5	1,82	0,80	5,90 – 6,50
COFFLEX-C T4	10,00	Flexible	320 x 0,21	4,5	1,82	0,80	5,90 – 6,50
COFFLEX-B T4	16,00	-	126 x 0,41	5,8	1,16	0,80	7,70 – 8,30
COFFLEX-C T4	16,00	Flexible	512 x 0,21	5,8	1,16	0,80	7,70 – 8,30
COFFLEX-B T4	25,00	-	196 x 0,41	7,2	0,743	1,04	9,70 – 10,40
COFFLEX-C T4	25,00	Flexible	790 x 0,21	7,2	0,743	1,04	9,40 – 10,40
COFFLEX-B T4	35,00	-	276 x 0,41	8,5	0,527	1,04	11,00 – 11,60
COFFLEX-C T4	35,00	Flexible	1102 x 0,21	8,5	0,527	1,04	10,10 – 11,60
COFFLEX-B T4	50,00	-	396 x 0,41	10,5	0,368	1,20	12,90 – 13,50
COFFLEX-C T4	50,00	Flexible	1600 x 0,21	10,5	0,368	1,20	12,00 – 13,50
COFFLEX-C T4	70,00	Flexible	2147 x 0,21	12,5	0,259	1,20	14,00 – 15,50
COFFLEX-C T4	95,00	Flexible	3000 x 0,21	14,8	0,196	1,28	16,20 – 18,00
COFFLEX-C T4	120,00	Flexible	3648 x 0,21	16,5	0,153	1,28	17,90 – 19,70

Cable type		
Type	Cross-section	Weight approx.
	[mm <sup>2</sup> ]	[g/m]
COFFLEX-B/C T4	10,00	115
COFFLEX-B/C T4	16,00	182
COFFLEX-B/C T4	25,00	281
COFFLEX-B/C T4	35,00	385
COFFLEX-B/C T4	50,00	525
COFFLEX-C T4	70,00	706
COFFLEX-C T4	95,00	930
COFFLEX-C T4	120,00	1 205

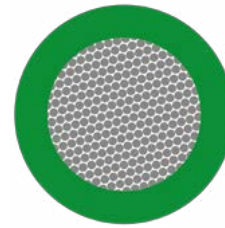


# ALUMINIUM CONDUCTOR

COFFLEX-AI-R T3	17
COFFLEX-AI-T3	18
COFFLEX-AI-R T4	19
COFFLEX-AI T4	20

# COFFLEX-AI-R T3

-40°C to 125°C



## DESIGN

Conductor: EAL99,7 according to EN 573-3  
 Insulation material: XPO E-beam cross-linked  
 Covering: Reduced Wall thickness

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## TECHNICAL DATA

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

## ACCORDING TO THE STANDARD

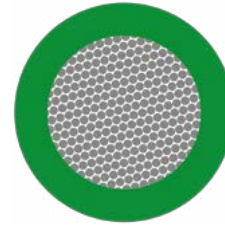
- ISO 19642-4
- LV 112-2

Type	Conductor				Cable			According to the Standard
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry			
	Cross-section [mm²]	Stranding Acc. to ISO 19642-4 (tab.A2)	Construction N x Ømax.[mm]		Diameter max. [mm]	Wall thickness min. [mm]	Diameter [mm]	
COFFLEX-AI-R-B T3	8,00	Standard	59 x 0,42	4,3	3,97	0,32	4,6 – 5,0	1
COFFLEX-AI-R-B T3	10,00	Standard	50 x 0,52	4,5	3,03	0,48	5,4 – 5,8	1, 2
COFFLEX-AI-R-B T3	12,00	Standard	61 x 0,52	5,4	2,53	0,48	5,8 – 6,2	1
COFFLEX-AI-R-B T3	16,00	Standard	80 x 0,52	5,8	1,93	0,52	6,5 – 7,0	1, 2
COFFLEX-AI-R-B T3	20,00	Standard	96 x 0,52	6,9	1,59	0,52	7,5 – 7,8	1
COFFLEX-AI-R-B T3	25,00	Standard	126 x 0,52	7,2	1,24	0,52	8,2 – 8,7	1, 2
COFFLEX-AI-R-B T3	30,00	Standard	144 x 0,52	8,3	1,08	0,64	9,2 – 9,6	1
COFFLEX-AI-R-B T3	35,00	Standard	174 x 0,52	8,5	0,878	0,64	9,8 – 10,4	1, 2
COFFLEX-AI-R-B T3	40,00	Standard	197 x 0,52	9,6	0,788	0,71	10,0 – 11,1	1
COFFLEX-AI-R-B T3	50,00	Standard	250 x 0,52	10,5	0,613	0,72	11,5 – 12,2	1, 2
COFFLEX-AI-R-B T3	60,00	Standard	297 x 0,52	11,6	0,525	0,80	12,5 – 13,3	1, 2
COFFLEX-AI-R-B T3	70,00	Standard	354 x 0,52	12,5	0,432	0,80	13,5 – 14,4	1, 2
COFFLEX-AI-R-B T3	85,00	Standard	424 x 0,52	13,6	0,365	0,90	14,4 – 15,3	1, 2
COFFLEX-AI-R-B T3	95,00	Standard	468 x 0,52	14,8	0,327	0,90	15,7 – 16,7	1, 2

Type	Cable type	
	Cross-section [mm²]	Weight approx. [g/m]
COFFLEX-AI-R-B T3	8,00	30
COFFLEX-AI-R-B T3	10,00	43
COFFLEX-AI-R-B T3	12,00	50
COFFLEX-AI-R-B T3	16,00	63
COFFLEX-AI-R-B T3	20,00	80
COFFLEX-AI-R-B T3	25,00	98
COFFLEX-AI-R-B T3	30,00	114
COFFLEX-AI-R-B T3	35,00	141
COFFLEX-AI-R-B T3	40,00	156
COFFLEX-AI-R-B T3	50,00	198
COFFLEX-AI-R-B T3	60,00	219
COFFLEX-AI-R-B T3	70,00	262
COFFLEX-AI-R-B T3	85,00	301
COFFLEX-AI-R-B T3	95,00	362

# COFFLEX-AI T3

-40°C to 125°C



## DESIGN

Conductor: EAL99,7 according to EN 573-3  
 Insulation material: XPO E-beam cross-linked  
 Covering: Thick-wall insulation

## TECHNICAL DATA

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

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## ACCORDING TO THE STANDARD

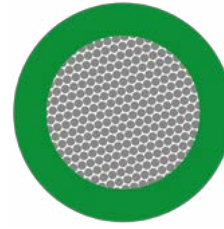
ISO 19642-4

Type	Conductor				Cable		
	Geometry			Resistance (20°C) Bare max. [mΩ/m]	Geometry		
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-4 (tab.A2)	Construction N* x Ømax.[mm]		Diameter max. [mm]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-AI-B T3	8,00	Standard	59 x 0,42	4,3	3,97	0,64	5,00 – 5,90
COFFLEX-AI-B T3	10,00	Standard	50 x 0,52	4,5	3,03	0,80	5,90 – 6,50
COFFLEX-AI-B T3	12,00	Standard	60 x 0,52	5,4	2,53	0,80	6,60 – 7,40
COFFLEX-AI-B T3	16,00	Standard	78 x 0,52	5,8	1,93	0,80	7,70 – 8,30
COFFLEX-AI-B T3	20,00	Standard	95 x 0,52	6,9	1,59	0,88	8,10 – 9,10
COFFLEX-AI-B T3	25,00	Standard	122 x 0,52	7,2	1,24	1,04	9,40 – 10,40
COFFLEX-AI-B T3	30,00	Standard	141 x 0,52	8,3	1,08	1,04	9,70 – 10,90
COFFLEX-AI-B T3	35,00	Standard	172 x 0,52	8,5	0,878	1,04	9,60 – 11,60
COFFLEX-AI-B T3	40,00	Standard	193 x 0,52	9,6	0,788	1,12	11,20 – 12,40
COFFLEX-AI-B T3	50,00	Standard	247 x 0,52	10,5	0,613	1,20	11,50 – 13,50
COFFLEX-AI-B T3	60,00	Standard	289 x 0,52	11,6	0,525	1,20	13,40 – 14,60
COFFLEX-AI-B T3	70,00	Standard	351 x 0,52	12,5	0,432	1,20	13,50 – 15,50
COFFLEX-AI-B T3	85,00	Standard	420 x 0,52	13,6	0,365	1,28	14,80 – 16,80
COFFLEX-AI-B T3	95,00	Standard	463 x 0,52	14,8	0,327	1,28	16,00 – 18,00
COFFLEX-AI-B T3	120,00	Standard	305 x 0,72	16,5	0,255	1,28	17,70 – 19,70

Type	Cable type	
	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-AI-B T3	8,00	38
COFFLEX-AI-B T3	10,00	51
COFFLEX-AI-B T3	12,00	63
COFFLEX-AI-B T3	16,00	82
COFFLEX-AI-B T3	20,00	94
COFFLEX-AI-B T3	25,00	123
COFFLEX-AI-B T3	30,00	133
COFFLEX-AI-B T3	35,00	160
COFFLEX-AI-B T3	40,00	177
COFFLEX-AI-B T3	50,00	213
COFFLEX-AI-B T3	60,00	245
COFFLEX-AI-B T3	70,00	289
COFFLEX-AI-B T3	85,00	333
COFFLEX-AI-B T3	95,00	394
COFFLEX-AI-B T3	120,00	460

# COFFLEX-AI-R T4

-40°C to 150°C



## DESIGN

Conductor: EAL99,7 according to EN 573-3  
 Insulation material: XPO E-beam cross-linked  
 Covering: Reduced Wall thickness

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 150°C / 3000h  
 Min. bending radius: 5xD (static)

## ACCORDING TO THE STANDARD

- ISO 19642-4
- LV 112-2

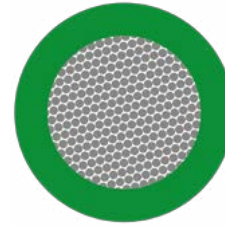
Type	Conductor				Core			
	Geometry			Resistance (20°C)	Geometry		According to the Standard	
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-4 (tab.A2)	Construction N x Ømax. [mm]		Diameter max. [mm]	Wall thickness min. [mm]		Diameter [mm]
COFFLEX-AI-R-B T4	8,00	Standard	59 x 0,42	4,3	3,97	0,32	4,6 – 5,0	1
COFFLEX-AI-R-B T4	10,00	Standard	50 x 0,52	4,5	3,03	0,48	5,4 – 5,8	1, 2
COFFLEX-AI-R-B T4	12,00	Standard	61 x 0,52	5,4	2,53	0,48	5,8 – 6,2	1
COFFLEX-AI-R-B T4	16,00	Standard	80 x 0,52	5,8	1,93	0,52	6,5 – 7,0	1, 2
COFFLEX-AI-R-B T4	20,00	Standard	96 x 0,52	6,9	1,59	0,52	7,5 – 7,8	1
COFFLEX-AI-R-B T4	25,00	Standard	126 x 0,52	7,2	1,24	0,52	8,2 – 8,7	1, 2
COFFLEX-AI-R-B T4	30,00	Standard	144 x 0,52	8,3	1,08	0,64	9,2 – 9,6	1
COFFLEX-AI-R-B T4	35,00	Standard	174 x 0,52	8,5	0,878	0,64	9,8 – 10,4	1, 2
COFFLEX-AI-R-B T4	40,00	Standard	197 x 0,52	9,6	0,788	0,71	10,0 – 11,1	1
COFFLEX-AI-R-B T4	50,00	Standard	250 x 0,52	10,5	0,613	0,72	11,5 – 12,2	1, 2
COFFLEX-AI-R-B T4	60,00	Standard	297 x 0,52	11,6	0,525	0,80	12,5 – 13,3	1, 2
COFFLEX-AI-R-B T4	70,00	Standard	354 x 0,52	12,5	0,432	0,80	13,5 – 14,4	1, 2
COFFLEX-AI-R-B T4	85,00	Standard	424 x 0,52	13,6	0,365	0,90	14,4 – 15,3	1, 2
COFFLEX-AI-R-B T4	95,00	Standard	468 x 0,52	14,8	0,327	0,90	15,7 – 16,7	1, 2

Type	Cable type	
	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-AI-R-B T4	8,00	31
COFFLEX-AI-R-B T4	10,00	43
COFFLEX-AI-R-B T4	12,00	50
COFFLEX-AI-R-B T4	16,00	63
COFFLEX-AI-R-B T4	20,00	80
COFFLEX-AI-R-B T4	25,00	98
COFFLEX-AI-R-B T4	30,00	114
COFFLEX-AI-R-B T4	35,00	141
COFFLEX-AI-R-B T4	40,00	156
COFFLEX-AI-R-B T4	50,00	198
COFFLEX-AI-R-B T4	60,00	219
COFFLEX-AI-R-B T4	70,00	262
COFFLEX-AI-R-B T4	85,00	301
COFFLEX-AI-R-B T4	95,00	362



# COFFLEX-AI T4

-40°C to 150°C



## DESIGN

Conductor: EAL99,7 according to EN 573-3  
 Insulation material: XPO E-beam cross-linked  
 Covering: Standard wall thickness

## APPLICATION

Very flexible cable for battery or high current applications for car body or engine compartment with extended temperatures.

## TECHNICAL DATA

Voltage level: 60V  
 Temperature range: -40°C to 150°C / 3000h  
 Min. bending radius: 5xD (static)

## ACCORDING TO THE STANDARD

ISO 19642-4

Type	Conductor				Resistance (20°C)	Core	
	Geometry			Diameter max. [mm]		Geometry	
	Cross-section [mm <sup>2</sup> ]	Stranding Acc. to ISO 19642-4 (tab.A2)	Construction N* x Ømax.[mm]		Bare max. [mΩ/m]	Wall thickness min. [mm]	Diameter [mm]
COFFLEX-AI-B T4	8,00	Standard	59 x 0,42	4,3	3,97	0,64	5,00 – 5,90
COFFLEX-AI-B T4	10,00	Standard	50 x 0,52	4,5	3,03	0,80	5,90 – 6,50
COFFLEX-AI-B T4	12,00	Standard	60 x 0,52	5,4	2,53	0,80	6,60 – 7,40
COFFLEX-AI-B T4	16,00	Standard	78 x 0,52	5,8	1,93	0,80	7,70 – 8,30
COFFLEX-AI-B T4	20,00	Standard	95 x 0,52	6,9	1,59	0,88	8,10 – 9,10
COFFLEX-AI-B T4	25,00	Standard	122 x 0,52	7,2	1,24	1,04	9,40 – 10,40
COFFLEX-AI-B T4	30,00	Standard	141 x 0,52	8,3	1,08	1,04	9,70 – 10,90
COFFLEX-AI-B T4	35,00	Standard	172 x 0,52	8,5	0,878	1,04	9,60 – 11,60
COFFLEX-AI-B T4	40,00	Standard	193 x 0,52	9,6	0,788	1,12	11,20 – 12,40
COFFLEX-AI-B T4	50,00	Standard	247 x 0,52	10,5	0,613	1,20	11,50 – 13,50
COFFLEX-AI-B T4	60,00	Standard	289 x 0,52	11,6	0,525	1,20	13,40 – 14,60
COFFLEX-AI-B T4	70,00	Standard	351 x 0,52	12,5	0,432	1,20	13,50 – 15,50
COFFLEX-AI-B T4	85,00	Standard	420 x 0,52	13,6	0,365	1,28	14,80 – 16,80
COFFLEX-AI-B T4	95,00	Standard	463 x 0,52	14,8	0,327	1,28	16,00 – 18,00
COFFLEX-AI-B T4	120,00	Standard	305 x 0,72	16,5	0,255	1,28	17,70 – 19,70

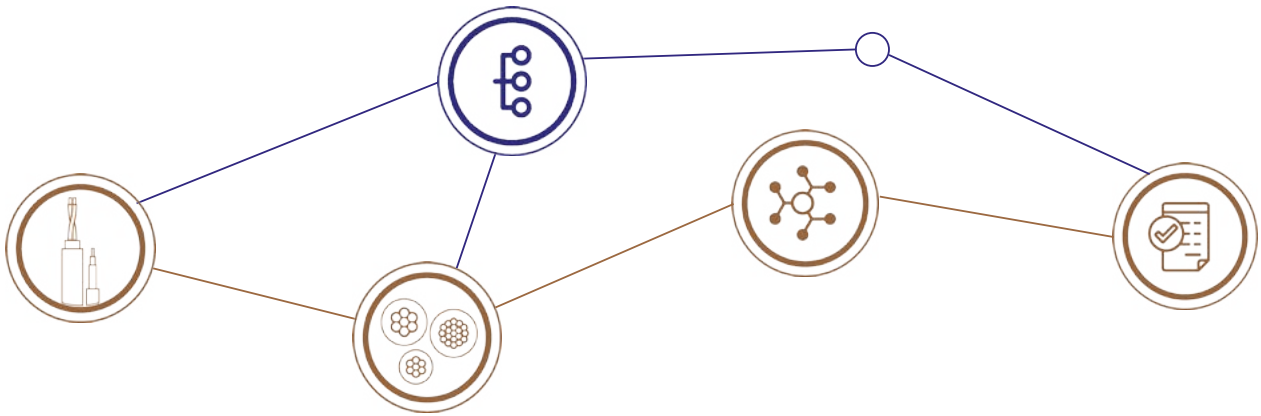
Type	Cable type	
	Cross-section [mm <sup>2</sup> ]	Weight approx. [g/m]
COFFLEX-AI-B T4	8,00	38
COFFLEX-AI-B T4	10,00	51
COFFLEX-AI-B T4	12,00	63
COFFLEX-AI-B T4	16,00	82
COFFLEX-AI-B T4	20,00	94
COFFLEX-AI-B T4	25,00	123
COFFLEX-AI-B T4	30,00	133
COFFLEX-AI-B T4	35,00	160
COFFLEX-AI-B T4	40,00	177
COFFLEX-AI-B T4	50,00	213
COFFLEX-AI-B T4	60,00	245
COFFLEX-AI-B T4	70,00	289
COFFLEX-AI-B T4	85,00	333
COFFLEX-AI-B T4	95,00	394
COFFLEX-AI-B T4	120,00	460



# TECHNICAL INFORMATION



# OUR PRODUCT RANGE



## CABLES

Primary  
Battery  
Multicore  
High Temperature  
High Voltage  
Data  
Customized

## CROSS SECTIONS & CONDUCTORS

Copper  
0,14mm<sup>2</sup> - 120mm<sup>2</sup>

Copper Alloys  
(CuSn, CuMg, CuAg)  
0,08mm<sup>2</sup> - 0,75mm<sup>2</sup>

Aluminum  
1,50mm<sup>2</sup> - 120mm<sup>2</sup>

## INSULATION MATERIALS

PVC  
PA  
PP  
PUR  
TPE  
XLPE  
XLPO  
ETFE  
FEP  
SiR

## SPECIFICATIONS

ISO  
FORD  
GMW  
FCA  
LV 112  
VW  
DAIMLER  
BMW  
JASO  
SAE  
PSA  
Renault  
UL



## THIS DOCUMENT

concerns specifically **COFFLEX** brand, which is dedicated to high flexible crosslinked polyolefin cables.

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

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

# OUR PRODUCT RANGE

## GENERAL PURPOSE

COFICAB designs and manufactures a wide range of electric cables for light and commercial vehicles' power and signal circuits.



COFICAB designs and manufactures high voltage cables for ELECTROMOBILITY.



COFICAB designs and manufactures CHARGING cables for ELECTROMOBILITY, according to the plugins in the market.



COFICAB designs and manufactures high transmission rate cables suitable for multimedia systems applications



COFICAB designs and manufactures specific cables for safety and security applications on the vehicle.



As an answer to the demand of the market in terms of flexibility, price, temperature performance and resistance to fluids, COFICAB developed an extra flexible polyolefin based insulation material.



COFICAB designs and manufactures small cross-section cables from 0.08 mm<sup>2</sup> to 0.22mm<sup>2</sup>



COFICAB designs and manufactures cables with aluminium and aluminium alloys conductor, which are typically used to reduce weight in vehicles.



COFICAB develops and manufactures high-temperature resistant cables for applications in or near the engine compartment where high temperatures occur. High-temperature performance may lead to cross-section reduction.

## SPECIFIC APPLICATIONS

COFICAB designs and manufactures solutions for different specific applications.

## TAILOR MADE

COFICAB designs and manufactures customized cables and wires based on specific customer requests.

## 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.

## APPLIANCES & ENERGY

COFICAB designs and manufactures cables for internal wiring of appliances, panels and power distribution.

**WE CAN PRODUCE ALL CROSS-SECTIONS AND TEMPERATURE RANGES,  
ACCORDING TO OUR CUSTOMER NEEDS.**

# 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	<b>Vehicle cable</b> - voltage class A as defined in ISO 6469-3
FHL	<b>Vehicle high-voltage cable</b> - 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	<b>Flat cable</b>
K	<b>Compressed conductor</b>

## 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	<b>Aluminium</b>
CuSn03	<b>Copper-tin alloy</b>
CuMg02	<b>Copper-magnesium alloy</b>
M	<b>Other conductor materials</b>

## 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	<b>Reduced insulation thickness</b> ("thin wall" as defined in ISO 19642)
U	<b>Ultra-reduced insulation thickness</b> ("ultra-thin wall" as defined in ISO 19642)
S	<b>Special insulation thickness</b>
no code	<b>Thick-walled insulation</b> ("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	<b>PVC</b> (polyvinyl chloride)
2Y	<b>PE</b> (polyethylene)
4Y	<b>PA</b> (polyamide)
6Y	<b>FEP</b> (tetrafluoroethylene/hexafluoropropylene)
7Y	<b>E-TFE</b> (ethylene/tetrafluoroethylene)
9Y	<b>PP</b> (polypropylene)
11Y	<b>TPE-U</b> (thermoplastic polyurethane, PUR)
13Y	<b>TPE-E</b> (thermoplastic polyester elastomer)
31Y	<b>TPE-S</b> (thermoplastic styrol-block-copolymer)
51Y	<b>PFA</b> (perfluoroalkoxy alkane)
91Y	<b>TPE-O</b> (thermoplastic polyolefin elastomer)
2G	<b>SIR</b> (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	<b>foil shielding</b>
C	<b>braided shielding, metal</b>
D	<b>spiral wire (or served) shielding, metal</b>



## 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 mm<sup>2</sup>;
  - 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 mm<sup>2</sup>;
  - 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	<b>symmetrical structure</b> as specified in ISO 19642 (all parts)
B	<b>asymmetrical structure</b> as specified in ISO 19642 (all parts)
C	<b>asymmetrical structure</b> as specified in ISO 19642 (all parts), with fine strands
S	<b>standard structure</b> as specified in ISO 19642
F	<b>flexible structure</b> as specified in ISO 19642
Sn	<b>tin-coated wire surface</b>

## 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

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### MOROCCO

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### EM 531

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## OUR CENTERS OF EXCELLENCE

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## OUR SALES AND REPRESENTATION OFFICES

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### CHINA

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### 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

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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

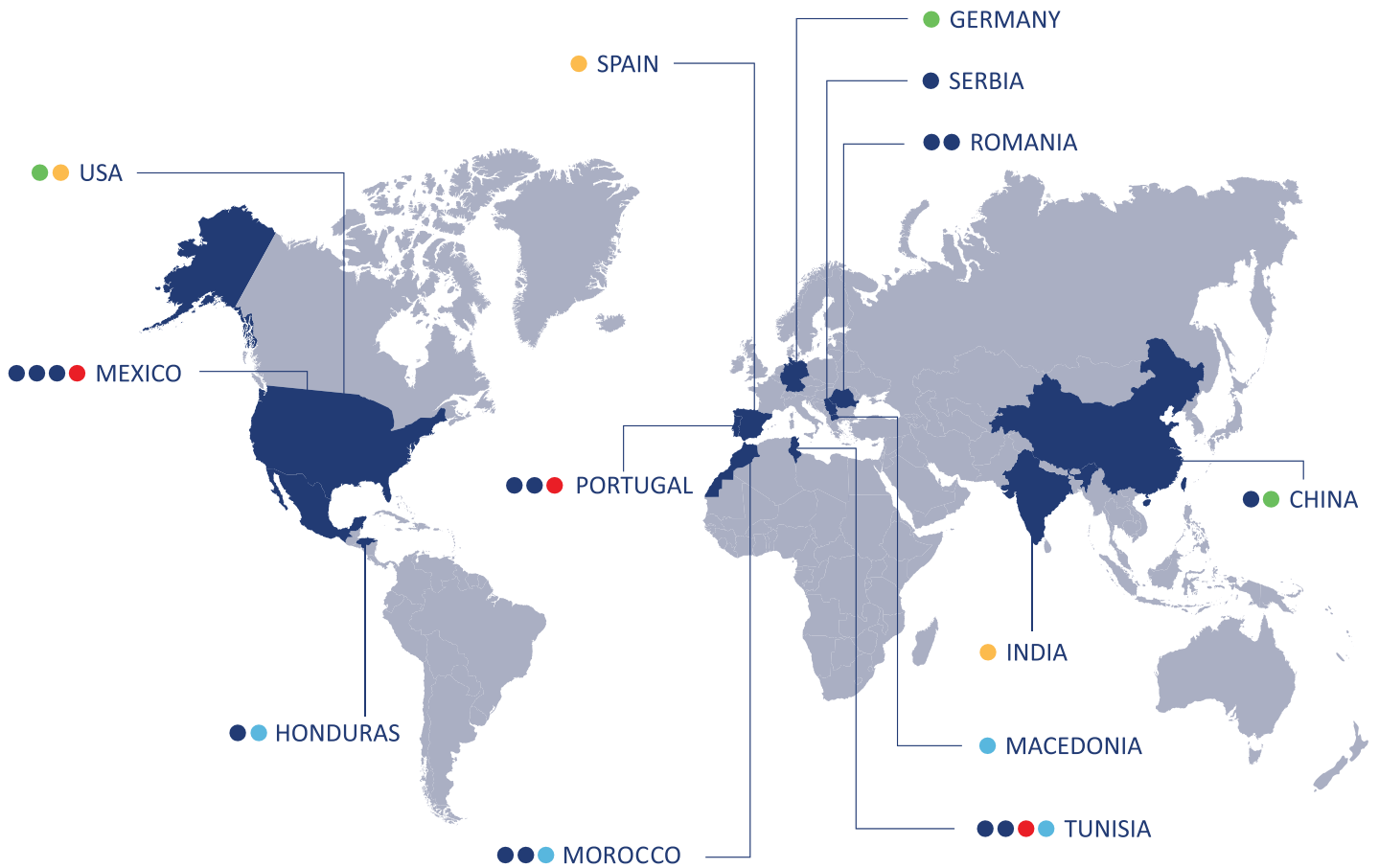
USA: Sales and R&D Office in Detroit Sales Office in El Paso.

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 COFFLEX brand,  
which is dedicated to high flexible crosslinked polyolefin cables.  
To consult other brands of our wide product range,  
please ask for the related catalogs or Technical Datasheets at:

**[customeronlinerequest@coficab.com](mailto:customeronlinerequest@coficab.com)**

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to **the future**



### OUR PRODUCT RANGE

GENERAL PURPOSE CABLES	e-COF	COFData	COFSense	COFSkinny
COFAlu	COFFlex	COFHeat	TAILOR MADE CABLES	SPECIFIC APPLICATIONS
WE CAN CUSTOMIZE OUR CABLES ON DEMAND E.G. WE CAN PRODUCE ALL CROSS-SECTIONS AND TEMPERATURE CLASSES				TRUCKS