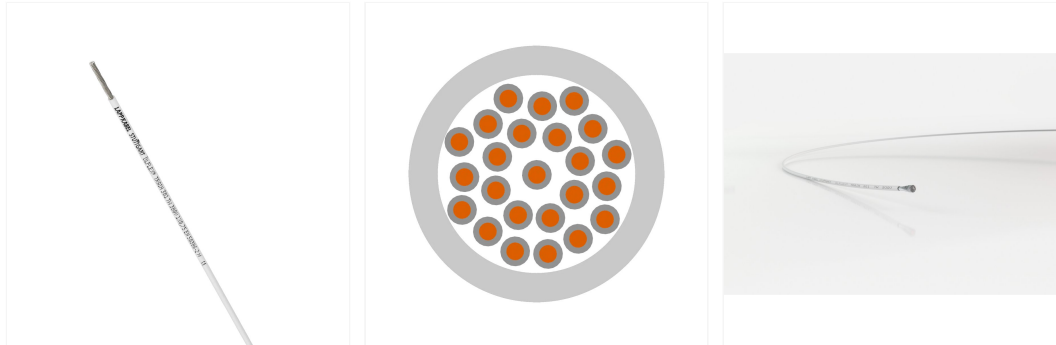


ÖLFLEX® TRAIN 301 TW 300V 1X0,5
Article No.: 15301000

Railway cable; 1X0.5; Ring; EN 50306-2; Type M; U_0/U : 300/300 V; -40 - 125 °C; Electron-beam cross-linked polymer compound; white


CE

Details
Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

Remarks
Technical Data

General information

Brand	ÖLFLEX®
Product type	Railway cable
Copper index	32.25 lb/10000 ft
Single core packaging type	Ring
Length per PU	328.084 ft
Industry segment	Rolling Stock

Electrical parameters

Nominal voltage fixed installation	U_0/U : 0,6/1 kV AC rms according to IEC
Nominal voltage	U_0/U : 300/300 V AC rms according to IEC
Maximum operating voltage U_m	550 V AC
test voltage	3.5 kV
Current rating according to	EN 50355
Short-circuit temperature [5s]	160 °C

Product design

Type designation for rolling stock cables	Type M
Cable dimension	1X0.5
Nominal cross section conductor (mm ²)	0.5 mm ²
Conductor material	Tin-plated Copper
Conductor design	EN 50306-1, 19-wire
Including protective ground	No
Number of cores	1
Shielded	No
Nominal conductor diameter	0.051 in
Cable form	Round
Core insulation base material	Electron-beam cross-linked polymer compound
Single core color	white
Single conductor identification	Single-colored

Product features

Application area	Fixed Installation
Installation type in rolling stock	Class P (protected installation)
Minimum bending radius, stationary	4 x outer diameter
Temperature, fixed installation	-40 °C to 125 °C max. conductor temperature -50 °C according to GOST
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 EN 50305 NF-C 32-070 (C1) NF-C 32-070 (C2) NF-F 16-101 (A1) NF-F 16-101 (A2) NF-F 16-101 (B) NF-F 16-101 (C)
low smoke density according to	IEC 61034-2 EN 50306-1 NF X 10-702
low toxicity of combustion gases	EN 50305 NF X 70-100
Corrosiveness of combustion gases according to	EN 50306-1 IEC 60754-2
UV-resistant	No
Chemical resistant	Yes
Acid-resistant	Yes
Acid-resistant according to	EN 50306
Alkali resistant	Yes
Alkali-resistant according to	EN 50306
Halogenfree	Yes
Halogen-free according to	IEC 60754-1 EN 60684-2
Oil resistant	Yes
Oil resistance according to	EN 50306
Fuel-resistant	Yes
Fuel-resistant according to	EN 50306

PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No
Resistance to flame propagation tested according to UN/ECE-R118	No
Tested for fire protection for railway vehicles	Yes
Fire protection for railway vehicles hazard level	EN 45545-2 HL1 EN 45545-2 HL2 EN 45545-2 HL3

ÖLFLEX® TRAIN 301 TW 300V

Article No.	Name	Nominal cross section conductor (mm ²)	Single core packaging type	Nominal conductor diameter	Length per PU	Copper index
15301000	ÖLFLEX® TRAIN 301 TW 300V 1X0,5	0.5 mm ²	Ring	0.051 in	328.084 ft	32.25 lb/10000 ft
15301000K	ÖLFLEX® TRAIN 301 TW 300V 1X0,5	0.5 mm ²	Large Cardboard Box	0.051 in	9,842.52 ft	32.26 lb/10000 ft
15301000S	ÖLFLEX® TRAIN 301 TW 300V 1X0,5	0.5 mm ²	Spool	0.051 in	1,640.42 ft	32.26 lb/10000 ft
15301001	ÖLFLEX® TRAIN 301 TW 300V 1X0,75	0.75 mm ²	Ring	0.059 in	328.084 ft	48.38 lb/10000 ft
15301001S	ÖLFLEX® TRAIN 301 TW 300V 1X0,75	0.75 mm ²	Spool	0.059 in	1,640.42 ft	48.38 lb/10000 ft
15301002	ÖLFLEX® TRAIN 301 TW 300V 1X1	1 mm ²	Ring	0.063 in	328.084 ft	64.51 lb/10000 ft
15301002K	ÖLFLEX® TRAIN 301 TW 300V 1X1	1 mm ²	Large Cardboard Box	0.063 in	8,202.1 ft	64.51 lb/10000 ft
15301002S	ÖLFLEX® TRAIN 301 TW 300V 1X1	1 mm ²	Spool	0.063 in	1,640.42 ft	64.51 lb/10000 ft
15301003	ÖLFLEX® TRAIN 301 TW 300V 1X1,5	1.5 mm ²	Ring	0.083 in	328.084 ft	96.76 lb/10000 ft
15301003K	ÖLFLEX® TRAIN 301 TW 300V 1X1,5	1.5 mm ²	Large Cardboard Box	0.083 in	8,202.1 ft	96.76 lb/10000 ft
15301003S	ÖLFLEX® TRAIN 301 TW 300V 1X1,5	1.5 mm ²	Spool	0.083 in	820.21 ft	96.76 lb/10000 ft
15301004	ÖLFLEX® TRAIN 301 TW 300V 1X2,5	2.5 mm ²	Ring	0.106 in	328.084 ft	163.96 lb/10000 ft
15301004K	ÖLFLEX® TRAIN 301 TW 300V 1X2,5	2.5 mm ²	Large Cardboard Box	0.106 in	6,561.68 ft	163.96 lb/10000 ft
15301004S	ÖLFLEX® TRAIN 301 TW 300V 1X2,5	2.5 mm ²	Spool	0.106 in	820.21 ft	163.96 lb/10000 ft

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