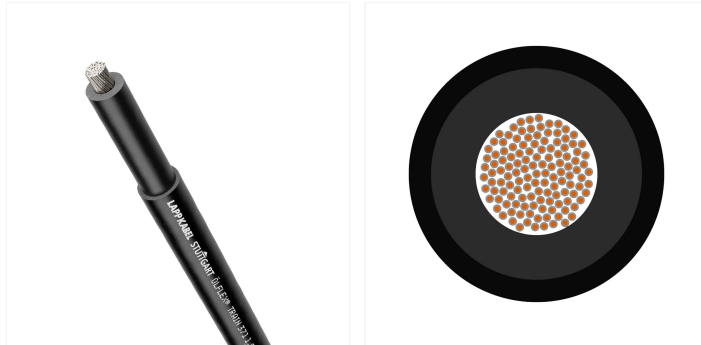


ÖLFLEX® TRAIN 371 1,8KV 1X25

Article No.: 15371006

Railway cable; 1X25; EN 50264-3-1; Type MM; U_0/U : 1.8/3 kV; -40 - 120 °C; Electron-beam cross-linked polymer compound; ; black



Details

Benefits

- For the protection of people and property.
- Fire behavior also certified in accordance with NF testing standards from AFNOR (depending on the item, see Technical Data).
- Cross-linked insulation and jacket materials promote durability at high temperatures or at high current load, ensure a high dielectric strength and a high short circuit temperature.
- Halogen free and highly flame retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.

Application

- Wide range of uses in railway vehicles.
- Can be used in dry, damp and, especially, harsh and oily environments.
- Suitable for outdoor use.
- The electron beam cross-linked polymer compound is highly resistant to oils, fuels, alkaline solutions and acids.

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.

Remarks

Technical Data

General information

Brand	ÖLFLEX®
Product type	Railway cable
Copper index	1612.73 lb/10000 ft
Industry segment	Rolling Stock

Electrical parameters

Nominal voltage	U_0/U : 1.8/3 kV AC rms according to IEC
Maximum operating voltage U_m	3,6 kV AC
test voltage	6.5 kV
Current rating according to	EN 50355
Short-circuit temperature [5s]	200 °C

Product design

Type designation for rolling stock cables	Type MM
Cable dimension	1X25
Nominal cross section conductor (mm ²)	25 mm ²
Conductor material	Tin-plated Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	No
Number of cores	1
Shielded	No
Nominal outer diameter	0.476 in
Cable form	Round

Core insulation base material	Electron-beam cross-linked polymer compound
Insulation color	black
Basic material of outer jacket	Electron-beam cross-linked polymer compound
Outer jacket color	black
Single core color	black
Single conductor identification	Single-colored

Product features

Application area	Fixed Installation
Minimum bending radius, stationary	5 x outer diameter
Minimum bending radius in inch, fixed installation	2.382 in
Temperature, fixed installation	-40 °C to 120 °C max. conductor temperature -50 °C according to GOST
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 IEC 60332-3-24 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	EN 50306-1 IEC 61034-2 NF X 10-702
low toxicity of combustion gases	EN 50264-1 EN 50305 NF X 70-100
Corrosiveness of combustion gases according to	EN 50306-1 IEC 60754-2
UV-resistant	Yes
UV-resistant according to	EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)
Ozone-resistant	Yes

ozone resistant according to	EN 50264-3-1, method B EN 50305
Chemical resistant	Yes
Acid-resistant	Yes
Acid-resistant according to	EN 50264-3-1
Alkali resistant	Yes
Alkali-resistant according to	EN 50264-3-1
Halogenfree	Yes
Halogen-free according to	IEC 60754-1 EN 60684-2
Oil resistant	Yes
Oil resistance according to	EN 50264-3-1
Fuel-resistant	Yes
Fuel-resistant according to	EN 50264-3-1

Certifications and standards

CE marking	No
EAC certified	Not required
EAC certification number	Отказное письмо № 62, 04276
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
Standard for railway vehicles	EN 50264-3-1

ÖLFLEX® TRAIN 371 1,8kV

Article No.	Name	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
15371000	ÖLFLEX® TRAIN 371 1,8KV 1X1,5	1.5 mm ²	0.228 in	96.76 lb/10000 ft
15371001	ÖLFLEX® TRAIN 371 1,8KV 1X2,5	2.5 mm ²	0.244 in	161.27 lb/10000 ft
15371002	ÖLFLEX® TRAIN 371 1,8KV 1X4	4 mm ²	0.272 in	258.04 lb/10000 ft
15371003	ÖLFLEX® TRAIN 371 1,8KV 1X6	6 mm ²	0.291 in	387.06 lb/10000 ft
15371004	ÖLFLEX® TRAIN 371 1,8KV 1X10	10 mm ²	0.346 in	645.09 lb/10000 ft
15371005	ÖLFLEX® TRAIN 371 1,8KV 1X16	16 mm ²	0.386 in	1032.15 lb/10000 ft
15371006	ÖLFLEX® TRAIN 371 1,8KV 1X25	25 mm ²	0.476 in	1612.73 lb/10000 ft
15371007	ÖLFLEX® TRAIN 371 1,8KV 1X35	35 mm ²	0.524 in	2257.83 lb/10000 ft
15371008	ÖLFLEX® TRAIN 371 1,8KV 1X50	50 mm ²	0.602 in	3225.47 lb/10000 ft
15371009	ÖLFLEX® TRAIN 371 1,8KV 1X70	70 mm ²	0.669 in	4515.65 lb/10000 ft
15371010	ÖLFLEX® TRAIN 371 1,8KV 1X95	95 mm ²	0.78 in	6128.39 lb/10000 ft
15371011	ÖLFLEX® TRAIN 371 1,8KV 1X120	120 mm ²	0.843 in	7741.12 lb/10000 ft
15371012	ÖLFLEX® TRAIN 371 1,8KV 1X150	150 mm ²	0.937 in	9676.4 lb/10000 ft
15371013	ÖLFLEX® TRAIN 371 1,8KV 1X185	185 mm ²	1.012 in	11934.23 lb/10000 ft
15371014	ÖLFLEX® TRAIN 371 1,8KV 1X240	240 mm ²	1.15 in	15482.25 lb/10000 ft

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