

ÖLFLEX® TRAIN 327 C TW-E 300V

Shielded multi-core cable according to EN 50306-4 5E type MM S for high requirements in railway applications

ÖLFLEX® TRAIN 327 C TW-E 300V - control cable shielded according to EN 50306-4 5E type MM S, 300/500V for rail vehicles/trains, EN 45545: HL1-HL3, NF F 16-101: C/F1

Info

Meets EN 50306-4 class E, type MM S and EN 45545-2

High temperature resistance: -45 °C to +125 °C

Highly oil- and fuel-resistant



CE



UV-resistant



Temperature-resistant



Interference signals



Space requirement



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance

Last Update (18.05.2017)

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® TRAIN 327 C TW-E 300V



Rail



Flame-retardant



Cold-resistant

Benefits

- Reduced insulation wall thickness, therefore a space-saving installation
- Copper shielded complies with EMC requirements and protects against electromagnetic interference
- Resistant to mechanical influences in harsh environmental conditions
- Extended temperature range
- Reduced flame spreading for protection against damage to persons and property in the event of a fire

Application range

- In EMC-sensitive environments
- For use in railway vehicles and buses, for fixed installation and applications where limited movement is to be expected
- Suitable for control and monitoring circuits as well as locking circuits and internal wiring of equipment in trains and locomotives
- Can also be used in oily environments and areas with increased ambient temperature

Product features

- Fire behaviour in accordance with EN/IEC:
 - Halogen-free according to EN 60754-1
 - No corrosive gases according to EN 60754-2
 - No fluorine according to EN 60684-2
 - No toxic gases according to EN 50305
 - Low smoke density according to EN 61034-2
 - Flame-retardant according to EN 60332-1-2
 - No flame propagation according to EN 60332-3-24 / EN 60332-3-25 / EN 50305
- Fire behaviour in accordance with NF:
 - Toxicity of combustion gases according to NF X 70-100
 - Low smoke density according to NF X 10-702
 - No flame propagation according to NF C 32-070, cat. C1 and C2
- Chemical properties:
 - Oil-resistant according to EN 50306
 - Fuel-resistant according to EN 50306
 - Acid-resistant according to EN 50306
 - Alkali-resistant according to EN 50306
 - Ozone-resistant according to EN 50306

Norm references / approvals

- EN 50306-4 class E, type MM S
- EN 45545-2 HL1, HL2, HL3
- NF F 16-101 - classification: C / F1
(flame propagation / smoke)

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Design

Tin-plated copper strand, 19- or 37-wire, SRC (Special Round Conductor)

Insulation: Electron beam cross-linked polymer compound according to EN 50306

Core colour: White with black numbers

Shield: Tin-plated copper braiding over each pair

Cover over shield: Electron beam cross-linked polymer-compound S2 according to EN 50306

Sheath: Electron beam cross-linked polymer-compound S2 according to EN 50306

Sheath colour: Black

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	White with black numbers
Conductor design:	SRC (special round conductor) 19- or 37-wire according. to EN 50306-1
Minimum bending radius:	Fixed installation: 10 x outer diameter Occasional flexing: 10 x outer diameter
Nominal voltage:	U_0/U AC 300/500 V U_m AC 550 V V_0 DC 410 V Fixed installation: U_0/U AC 0.6/1 kV U_m AC 1.2 kV V_0 DC 0.9 kV
Test voltage:	Core/core: 3,5 kV AC; 8,4 kV DC Core/screen: 3,5 kV AC; 8,4 kV DC
Temperature range:	Fixed installation: -45°C to +125°C (20,000 h) Occasional flexing: -35°C to +105°C Short circuit: +160°C (5s)

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Packaging: Ring \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15327000	10.7	38.87	178.98
15327001	11.4	58.3	211.95
15327002	12.4	77.74	253.53
15327003	14.7	136.38	374.84
15327004	11.5	51.5	212.9
15327005	12.2	77.25	249.55
15327006	13.4	103	306.77
15327007	15.9	180.64	446.95
15327008	11.9	63	234.98
15327009	12.6	94.5	281.92
15327010	13.8	126	341.82
15327011	16.5	220.93	499.43
15327012	13.9	90	317.42
15327013	14.8	136	383.34
15327014	16.3	181	491.8
15327015	19.5	320	697.3

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