ÖLFLEX® CLASSIC 115 CH SF (TP)

Screened halogen-free control cable, EN 45545-2 certified, oil resistant, very flexible with twisted pairs

ÖLFLEX® CLASSIC 115 CH SF (TP) - halogen-free control cable, HFFR, oil-resistant, screened, TP, very flexible, cold-resistant, EN 45545-2 certified for railway/rolling stock

Info
EN 45545-2 HL1, HL2, HL3
High flexibility and oil-resistance
Other sizes on request

Rail

Good chemical resistance

Flame-retardant

Halogen-free

Cold-resistant

Oil-resistant

Interference signals

Temperature-resistant

Last Update (22.02.2024)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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UV-resistant

Benefits

Easy handling and installation due to very flexible cable type
Wide application range due to excellent product features
EN 45545-2 certified for rolling stock applications
Copper screening complies with EMC requirements and protects against electromagnetic interference

Application range

Railway applications
Public buildings like airports or railway stations
Plant engineering, Industrial machinery
Heating and air-conditioning systems
Stage applications
Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
In EMC-sensitive environments

Product features

Flame-retardant according to IEC 60332-1-2
(flame spread on a single cable)
No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
Halogen-free according to IEC 60754-1
(amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034-2
Oil-resistant according to EN 50363-4-1 (TM5)
and UL OIL RES I and UL OIL RES II
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

Norm references / Approvals

EN 45545-2 HL1, HL2, HL3
Based on EN 50525-3-11
Based on EN 50525-2-51

Product Make-up

Extra-fine wire strand made of bare copper wires
Core insulation: Halogen-free
TP structure
Wrapping: Halogen-free plastic foil
Tinned-copper braiding
Outer sheath: Special halogen-free compound, black

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Coloured according to DIN 47100, refer to Appendix T9
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class

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Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	Core/core: 4000 V Core/screen: 2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -30 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Single lengths for sizes: ≥ 4G50 max. 500 m
Photographs and graphics 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	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1002180	3 x 2 x 0.75	9.6	87	171
1002181	4 x 2 x 0.75	10.9	90.4	202
1002182	6 x 2 x 0.75	12.3	140	287
1002183	12 x 2 x 0.75	16.4	272	530
1002184	2 x 2 x 1.0	9.2	86	174
1002185	4 x 2 x 1.0	11.5	126.2	244
1002186	12 x 2 x 1.0	17.4	337	615
1002187	3 x 2 x 1.5	11.7	143	259