

ÖLFLEX® TRAFFIC 4GKW-AXplus C-flex

DB 4223336
Effective from: 25.11.2009

Product description

Robust, compact, double-insulated and halogen free, electron-beam cross-linked lead wire with improved fire performance, high resistance to temperature and dielectric strength up to 1,8/3 kV.

Application

For protected installations inside and outside of rail vehicles and buses and other rail vehicles used for the connection of fixed and moved parts. Suitable for the wiring of switchboards, converters and distribution boxes. Due to the double-insulated design, these cables can be classified as short circuit and earth fault-proof. The thin outer layer protects against the effects of mineral oil fuels and ozone.

Cable picture



Construction

-Conductor:	Tinned fine copper strands according to VDE 0295 / IEC 60228 class 5
-Insulation:	Electron-beam cross-linked polyolefine copolymer
-Shielding:	tinned fine copper braid
-Outer sheath:	Electron-beam cross-linked elastomer, colour black

Technical data/Product properties

nominal voltage	U0/U(Um)	1,8/3 (3,6) kV AC 2,7 kV DC
testing voltage		6,5 kV AC
max. conductor temperature	fixed installation occasionally moved	+120 °C +90 °C
short circuit temperature		+200 °C
min. ambient temperature	fixed installation occasionally moved	-60 °C -35 °C
min. bending radius	$\varnothing < 10 \text{ mm}$ $\varnothing > 10 \text{ mm}$ fixed installation occasionally moved fixed installation sporadically moved	$> 5 \times \varnothing$ $> 7 \times \varnothing$ $> 6 \times \varnothing$ $> 8 \times \varnothing$

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Fire performance for rolling stock

BS 6853	interior use	Ia, Ib, II
	exterior use	Ia, Ib, II
DIN 5510	level of protection	1, 2, 3, 4
NF F 16-101	classification	C / FO
	interior use	A1, A2, B
	exterior use	A1, A2, B

Fire performance in general

vertical flame propagation for a single insulated wire or cable	EN 50265-2-1, IEC 60332-1
vertical flame spread of bunched wires or cables	EN 50266-2-5, IEC 60332-3-25
halogen free	EN 50267-2-1, IEC 60754-1
corrosivity of gases	EN 50267-2-3, IEC 60754-2
toxicity of gases	EN 50305, NF X 70-100
smoke density	EN 50268-2, IEC 61034-2

Material properties

no fluorine	EN 60684-2
resistance to oil	EN 50305
resistance to fuel	EN 50305
resistance to ozone	EN 50305
low fire load	DIN 51900

All information regarding properties, technical data, etc. are without obligation. Dimensions and weights are reference values. All information can be changed at any time and without prior notice.