



Product data sheet

48950OR - Flat cable FE180/E90 5G16 orange



Flat cable Woertz FE180/E30/E90 5x16mm 2 FR/LS0H orange 3LNPE (rodent repellent) Fire protection cable with non-critical behavior (according to VKF guideline 14-15) for use in horizontal and vertical escape routes. Applicable in public buildings and facilities such as hospitals, hotels, offices, museums or other commercial buildings (KBOB). Also recommended for facilities with an increasing number of people in ever tighter spaces such as airports, train stations (above and below ground) or shopping malls (KBOB). Within the Woertz fire protection cabling systems also ideally suited for the high demands of infrastructure buildings such as tunnels, underpasses, parking garages or subway stations.

Characteristics

Base Unit

Meter

availability

Delivery in 4 weeks

group

170000

Packaging unit

-

country of origin

CH

Customs tariff number

8544.4992

Weight (g)

1436 g

Copper weight (g)

768 g

Technical data

Construction (mm²)

5x16 mm²

Dimensions width x height (mm)

52 x 11 mm

Halogen free

Yes

Cable type

Fire safety flat cable

International designation

N1ZZ1H2-R



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Reaction to fire classification	B2ca s1 d0 a1
Fire behavior	Cables with non-critical behavior (according to VKF 14-15)
Cross section (mm²)	16 mm²
Copper conductor	Rope KL2 EN60228
Conductor resistance (ohm/km)	1,15 ohm/km
cores insulation	Flame retardant, high temperature resistant
Cores colors	gray,black,brown,blue,green/yellow
Sheat insulation	Polyolefin flame retardant
Sheath color	Orange
Rodent protection	rodent repellent
Operating Temperature (°C)	-25 till 90 °C
Installation temperature min. (°C)	5 °C
Nominal voltage (VAC)	600/1000 VAC
Test voltage	4 kV/50Hz
Fire load (kWh/m)	2,61
Halogen free acc. to	IEC/EN60754-1/2
Flame retardant according to	IEC/EN60332-1-2
Minimal smoke emission acc. to	IEC/EN 61034-2
Low fire propagation acc. To	IEC/EN 60332-3-24
Insulation integrity	FE180 (IEC 60331) / PH120 (EN50200)



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Product accessories



49379 - Cable fastening clamp 5G16mm2 E90

Mounting distance: 800mm



48957 - Endbox FC E90 5G16 with cap IP68

null



49387 E90 - Riser clamp E90

Max. Bride load: 50kg. For Woertz fire safety flat cable: Woertz FE180 5G16mm² and 5G25mm². For Woertz flat cable: Woertz power 5G16mm² and 5G25mm².



48511/55 - End cap with mastic IP68 55/25 165mm

thermoretractable end cap, diameter 55mm ,25mm after retractation, length 165mm , black.Provided with adhesive and sealing compound inside.



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Product systems



FE180 E30/E90 5G16 mm²

Woertz fire safety system FE180 E30/E90 5G16 mm² for power supply of safety-relevant elements, such as emergency and escape route lighting, smoke extraction systems or fire department elevators.

