



Product data sheet

48650OR - Flat cable FE180/E90 5G4 mm² OR



Flat cable Woertz FE180/E30/E90 5x4.00mm 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)

500 g

Copper weight (g)

192 g

Technical data

Construction (mm²)

5x4.0 mm²

Dimensions width x height (mm)

37x7 mm

Halogen free

Yes

Cable type

Fire safety flat cable

International designation

N1ZZ1H2-U



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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)	4 mm²
Copper conductor	Wire KL1 EN60228
Conductor resistance (ohm/km)	4,61 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
Longitudinal watertightness	< 1 m/14 days EN60794-1-2-F5B
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)	1,42
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



49371 - Mounting Braid 5G2.5/4 mm² E90

Mounting distance: 800 mm



48959 - End box FK E90 5G2.5/4/6 mm² with end cap IP68

null



48511/42 - End cap with mastic IP68 42/15 105mm

Cable end piece shrink - end cap, diameter 42 mm, after shrinkage 15 mm, length 105 mm, black. Inside coated with adhesive and sealant.



49386 E90 - Riser clamp E90

Max. Bride load: 50kg. For Woertz fire safety flat cable: Woertz FE180 3G2.5 and 4 mm², Woertz FE180 5G2.5, 4 6 mm². For Woertz flat cable: Woertz Technofil 5G2.5 1.5 mm², Woertz power 5G2.5 mm², Woertz Power IP 5G2.5 mm² 6 mm², Woertz combi 5G2.5 mm² 2x1.5 mm², Woertz Dali IP 5G2.5 mm² 2x1.5 mm², Woertz Dali 3/5G2.5 mm² 2x1.5 mm², Woertz 5G4 mm², Woertz 7G2.5 mm².



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Product systems



FE180 E30/E90 5G4 mm²

Woertz fire safety system FE180 E30/E90 5G4 mm² for power supply of safety-relevant elements, such as emergency and escape route lighting, smoke extraction systems or fire department elevators.

