



TECHNICAL DATA SHEET

Hybrid Cables for RRH applications

Kabelwerk | **EUPEN** AG

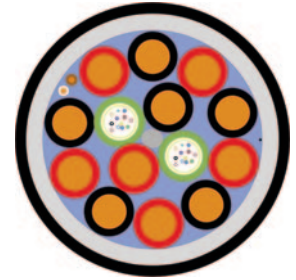
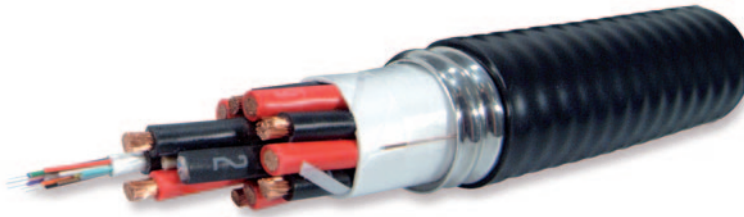
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cable

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EUCAHYBRID 114-12AWG8-2x12SM-6CP

PRODUCT DESCRIPTION



1-1/4" hybrid fiber optic cable with 48V energy feeder in a corrugated aluminum shielding with UV resistant PE jacket. Multi mode and single mode fibre available.

TECHNICAL FEATURES

CONSTRUCTION

Copper feed lines

• Quantity	12
• Conductor material	electrolytic copper
• Section	8,37 mm ²

Dry contact

• Quantity	12 (6 pairs)
• Conductor material	electrolytic copper
• Copper diameter	0,8 mm
• Outer diameter (each wire)	1,6 mm

Fiber Optic cable element

• Quantity	2
• Fibers quantity per element	12
• Fiber type	Single Mode
• Fiber size	9/125/900 µm
• Reinforcement	Aramide fiber

Ripcord

• Quantity	1
• Material	Steel Wire
• Diameter	0,8 mm

Outer shield

• Material	Corrugated aluminum tube
• Diameter	36 mm

Jacket

• Material	Black Polyethylene
• Thickness	1,5 mm
• Diameter	39 mm



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MECHANICAL

• Minimum bending radius	360 mm
• Maximum pulling strength	150 daN
• Recommended temperature range	
Storage	-40 °C to +70 °C
Installation	-30 °C to +60 °C
Operation	-40 °C to +70 °C
• Maximum Hanger spacing	1,0 m
• Approx. weight	1970 kg/km (1,33 lb/ft)

ELECTRICAL

• Main conductors	
Resistance	2,36 Ohm/km at 20 °C
Operating DC voltage	48 V
Rated DC voltage	60 V
• Dry contact wires	
Resistance	36,0 Ohm/km at 20 °C
Maximum DC voltage	600 V

OPTICAL

• Fiber type	G657A1
• Fiber wave length	1310 & 1550 nm
• Max attenuation	
	1310 nm: ≤0,40 dB/km
	1550 nm: ≤0,25 dB/km
• Core diameter	9 µm
• Cladding diameter	125 µm
• Coating diameter	250 µm
• Tight buffer fiber diameter	900 µm

Norms / Certifications

Jacket: EN 50289-4-17 / ISO 4892-2, IEC 60811

Wire insulation: IEC 60811

Fiber: IEC 60794-1, GR20 core

RoHS 2011/65/EU compliant

Kabelwerk Eupen AG has been certified ISO 9001:2008 and ISO14001:2004 for the development, manufacture and supply of cables, wires and related products.