EUCAHYBRID 78-6AWG6-24MM5-CP
EUCAHYBRID 78-6AWG6-24SM-CP

PRODUCT DESCRIPTION

7/8" hybrid fiber optic cable with 48V energy feeder in a corrugated aluminum shielding with UV resistant PE jacket.
Multi mode and single mode fiber available.

TECHNICAL FEATURES

CONSTRUCTION	MM5	SM
Copper feed lines		
• Quantity	6	
• Conductor material	electrolytic copper	
• Section	13,3 mm²	
Dry contact		
• Quantity	2 (one pair)	
• Conductor material	electrolytic copper	
• Copper diameter	0,8 mm	
• Outer diameter (each wire)	1,6 mm	
Fiber Optic cable		
• Quantity	1	
• Fibers quantity	24	
• Fiber type	Multi Mode	Single Mode
• Fiber size	50/125/900 µm	9/125/900 µm
• Reinforcement	Aramide fiber	
Outer shield		
• Material	Corrugated aluminum tube	
• Diameter	25 mm	
Jacket		
• Material	Black Polyethylene	
• Thickness	1,5 mm	
• Diameter	28 mm	

ISO Certified Company KABELWERK EUPEN AG - Malmedyer Straße 9 - 4700 EUPEN - BELGIUM Tel.: +32(0) 87.59.70.00 - Fax : +32(0) 87.59.71.00 - http://www.eupen.com - e-mail: info@eupen.com

EUCAHYBRID 78-6AWG6-18MM5-CP
EUCAHYBRID 78-6AWG6-18SM-CP

MECHANICAL

• Minimum bending radius	250 mm
• Maximum pulling strength	100 daN
• Recommended temperature range	
Storage	-30 °C - +70 °C
Installation	-20 °C - +60 °C
Operation	-30 °C - +70 °C
• Maximum Hanger spacing	1,0 m
• Approx. weight	1250 kg/km (0,84 lb/ft)

ELECTRICAL

• Main conductors	
Resistance	1,34 Ohm/km at 20 °C
Operating DC voltage	48 V
Maximum DC current	50 A at 20 °C
• Dry contact	
Resistance	21,43 Ohm/km
Maximum DC voltage	600 V DC
Maximum DC current	6 A at 20 °C

OPTICAL	MM5	SM
• Fiber type	OM3	G657A1
• Fiber wave length	850 & 1300 nm	1310 & 1550 nm
• Max attenuation		
	850 nm: ≤3,0 dB/km	1310 nm: ≤0,40 dB/km
	1300 nm: ≤1,0 dB/km	1550 nm: ≤0,25 dB/km
• Core diameter	50 µm	9 µm
• Cladding diameter	125 µm	125 µm
• Coating diameter	250 µm	250 µm
• Tight buffer fiber diameter	900 µm	900 µm

ISO Certified Company KABELWERK EUPEN AG - Malmedyer Straße 9 - 4700 EUPEN - BELGIUM Tel.: +32(0) 87.59.70.00 - Fax : +32(0) 87.59.71.00 - http://www.eupen.com - e-mail: info@eupen.com