

MAUNT

M00001935

**DAC cable, 12-fiber, SM, G.657A1, 250um, 5.8mm, black/turquoise
(ODF)**



Description

This 12-fiber DAC cable with singlemode fibers according to ITU-T G.657A1 is an outdoor cable with a black polyethylene sheath with two turquoise stripes. The fibers are housed in one tube; the cable is reinforced with aramid yarn and an embedded FRP element.

Optical specifications

Number of fibers	12
Fiber type	SM, ITU-T G.657A1
Maximum attenuation (1310nm)	0.36 dB/km
Maximum attenuation (1550nm)	0.25 dB/km
Fibers per tube	12
Fiber color sequence	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Turquoise

Physical specifications

Strength member	Kevlar
Embedded strength member	FRP (Fiber Reinforced Plastic)
Outer sheath material	UV-resistant, black polyethylene
Stripes on outer sheath	2 turquoise stripes
Number of ripcords under outer sheath	2
Diameter (nominal)	5.8 ±0.3 mm
Weight (nominal)	28 kg/km ±10%

Mechanical specifications

Tensile force	500 N (IEC-60794-1-21-E1)
Crush resistance	4000 N/100 mm (IEC-60794-1-21-E3)
Impact resistance	2.5 Nm (IEC-60794-1-21-E4)
Torsion	±180° (IEC-60794-1-21-E7)
Minimum bend radius (during installation)	15 D (IEC-60794-1-21-E11)
Minimum bend radius (after installation)	10 D (IEC-60794-1-21-E11)
Water penetration test	1 m water head, 3 m samples, 24 hours, over the tube (IEC-60794-1-22-F5)
Drip test	30 cm, 70°C, 24 hours (IEC-60794-1-21-E14)

Environmental specifications

Installation temperature	-20°C to +50°C
Operating temperature	-30°C to +70°C
Storage temperature	-30°C to +70°C
Temperature resistance	Max. Δ attenuation ≤ 0.15 dB/km (IEC-60794-1-22-F1)

Classification codes and standards

Standards	IEC 60793, IEC 60794, ITU-T
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