

MAUNT

M00002216

EPFU cable, 2-fiber, SM, G657A1, 1.12mm, yellow (KPN)



Description

Fiber unit for blowing into microducts and duct bundles. The fibers are dry and not covered with gel.



Physical specifications

Construction	Optical fibers, filler fiber (mechanical fiber), encapsulation, low-friction sheath
Outer sheath material	PE
Color	Yellow, with black print every meter
Filler fiber color	Natural
Diameter	1.12 mm (nominal)
Weight	1.0 g/m (nominal)
Suitable for microduct	Inner diameter from 2.1 mm

Mechanical specifications

Bend radius	50 mm
Tensile force	Max. weight of 1 km (W), 10 min: fiber strain $\leq 0.4\%$; attenuation increase 0.05 dB
Tensile force (in operation)	Max. W/3
Bend test	$\varnothing$ 40 mm x 3 turns, 5 cycles at 20 °C: attenuation increase 0.05 dB
Crush resistance	100 N, 1 min: attenuation increase 0.05 dB; 500 N, 15 min: no fiber break

Optical specifications

Fiber type	SM, G.657.A1
Number of fibers	2
Fiber color code	Blue, green
Attenuation (max., 20 °C)	1310–1625 nm: 0.40 dB/km; 1550 nm: 0.30 dB/km; 1383 nm: 0.34 dB/km
PMDQ	≤ 0.2 ps/ $\sqrt{\text{km}}$

Environmental specifications

Installation temperature	-10 °C to +50 °C
Operating temperature	-20 °C to +60 °C
Storage temperature	-20 °C to +70 °C
Water resistance	1000 hours in water (18–22 °C): ≤ 0.07 dB/km change
Temperature cycling	+20 °C / -40 °C / +60 °C, 3 cycles: ≤ 0.5 dB/km during test, ≤ 0.1 dB/km change
Damp heat	10 cycles (IEC 60068-2-38): ≤ 0.5 dB/km during test, ≤ 0.1 dB/km change



Classification codes and standards

Standards	ITU-T G.657; IEC 60794-5; IEC 60794-1-2 (E3, E11A, F1); IEC 60068-2-38; EN 187000
Certification	UL OFNP (USA), when installed in plenum-rated duct bundles