

MAUNT®

M00000067

**Microduct cable, 96-fiber, SM, G.657A1, 200um, 6.0mm, orange
(KPN)**



Description

Multi-tube micro cable for blowing into microducts. The loose tubes are stranded in a spiral around the central strength member; gel in the tubes and water-swellaable yarns in the core prevent water ingress.

Physical specifications

Number of tubes	8
Fibers per tube	12
Tube material	Thermoplastic
Tube filling	Thixotropic gel
Strength member	FRP (fiber-reinforced plastic), central
Core wrapping	Binder yarn and water-swellaable yarns
Ripcord	2x, polyester, under the outer sheath
Outer sheath material	Polyamide (PA), UV-resistant
Color	Orange
Outer sheath marking	STERLITE SM 96F MICROLITE, laser symbol, telephone symbol, year of manufacture, length code meter marking (white)
Diameter	6.0 ± 0.3 mm
Weight	35 ± 5 kg/km

Mechanical specifications

Tensile force	Max. 700 N
Crush resistance	1000 N/10 cm
Impact resistance	2 Nm, 1 impact
Torsion	± 180°
Bend radius (installation)	20 x D
Bend radius (after installation)	15 x D
Blowing distance (duct 14/10 mm)	> 1200 m

Optical specifications

Fiber type	SM, G.657.A1
Cladding diameter	125 ± 0.7 µm
Coating diameter	200 ± 10 µm
Mode field diameter	1310 nm: 8.8 ± 0.4 µm; 1550 nm: 10 ± 0.5 µm
Number of fibers	96
Attenuation (max.)	1310 nm: 0.35 dB/km; 1550 nm: 0.23 dB/km
PMD (link design)	≤ 0.2 ps/√km
Fiber color code	Blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, aqua
Tube color code	Blue, orange, green, brown, gray, white, red, black



Environmental specifications

Installation temperature	-10 °C to +60 °C
Operating temperature	-20 °C to +70 °C
Storage temperature	-20 °C to +70 °C
Water penetration	1 m water column, 3 m sample, 24 hours
Drip test	30 cm, 70 °C, 24 hours

Classification codes and standards

Standards	ITU-T G.657.A1
Protection/Environment	UV-resistant outer sheath