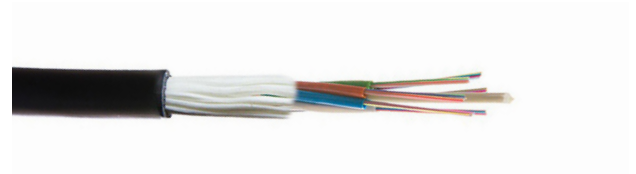


Outdoor MLT cable for blowing and pulling

P/N: MLTE^{xyyy}-1.7

PE	GRP	OUTDOOR
OS2 singlemode		



Features

- fully dielectric construction, PE sheath
- tensile elements made of water blocking glass yarns
- primary protection of 250 µm
- central loose tube filled with water blocking gel (MLT - multi loose tube)
- suitable for outdoor environment
- resistant to moisture, water and UV radiation
- partial rodent protection (glass rodent protection - GRP)
- ideal for horizontal campus duct installations using blowing and pulling technique

24 fibers

OS2 | P/N: MLTE24OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

48 fibers

OS2 | P/N: MLTE48OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

72 fibers

OS2 | P/N: MLTE72OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

96 fibers

OS2 | P/N: MLTE96OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

144 fibers

OS2 | P/N: MLTE144OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

216 fibers

OS2 | P/N: MLTE216OS2-1.7

OS2 singlemode 9/125 µm
(ITU-T G.652.D)

Note: Possible to deliver cables with different type of fibers.

Mechanical properties

Number of fibres		24	48	72	96	144	216
Loose tube diameter		1,7 mm	1,7 mm	1,7 mm	1,7 mm	1,7 mm	1,7 mm
Loose tubes count		2	4	6	8	12	18
Nominal cable diameter		9,0 mm	9,0 mm	9,0 mm	10,0 mm	12,2 mm	12,7 mm
Cable weight netto		70 kg/km	70 kg/km	70 kg/km	90 kg/km	130 kg/km	135 kg/km
Min. bending radius	installation	180 mm	180 mm	180 mm	200 mm	244 mm	254 mm
	operation	135 mm	135 mm	135 mm	150 mm	183 mm	191 mm
Tensile strength	installation	2700 N	2700 N	2700 N	4000 N	4500 N	4500 N
	operation	900 N	900 N	900 N	1200 N	1400 N	1400 N
Impact resistance		10 Nm	10 Nm	10 Nm	10 Nm	10 Nm	10 Nm
Crush resistance		1000 N	1000 N	1000 N	1000 N	1000 N	1000 N
Temperature range	installation	-5°C to 50°C					
	operation	-40°C to 70°C					

Fiber properties

Cabled optical fibre ISO/IEC 11801	OS2
IEC 60793-2	50-B1.3
ITU-T P1	G.652.D
Attenuation @ 850 / 1300 nm (dB/km)	—
Attenuation @ 1310 / 1550 / 1625 nm (dB/km)	≤ 0,32 / ≤ 0,18 / ≤ 0,20
Bandwidth 850 / 1300 nm (MHz.km)	—
Numerical Aperture	0,14
Refractive index @ 850 / 1300 nm	—
Refractive index @ 1310 / 1550 nm	1,4691 / 1,4696
MFD (µm) 1310 / 1550 nm	9,2 ± 0,4 / 10,4 ± 0,5
Core diameter (µm)	8,2