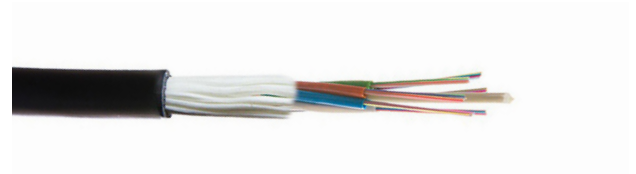


Outdoor MLT cable for blowing and pulling

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		6	6	6	8	12	18
Nominal cable diameter		7,8 mm	7,8 mm	7,8 mm	9,5 mm	11,7 mm	11,8 mm
Cable weight netto		55 kg/km	55 kg/km	55 kg/km	70 kg/km	105 kg/km	110 kg/km
Min. bending radius	installation	156 mm	156 mm	156 mm	190 mm	234 mm	236 mm
	operation	117 mm	117 mm	117 mm	143 mm	176 mm	177 mm
Tensile strength	installation	2000 N	2000 N	2000 N	2000 N	2000 N	2000 N
	operation	800 N	800 N	800 N	800 N	800 N	800 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	—
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
Overall coating diameter (µm)	125 ± 0,7