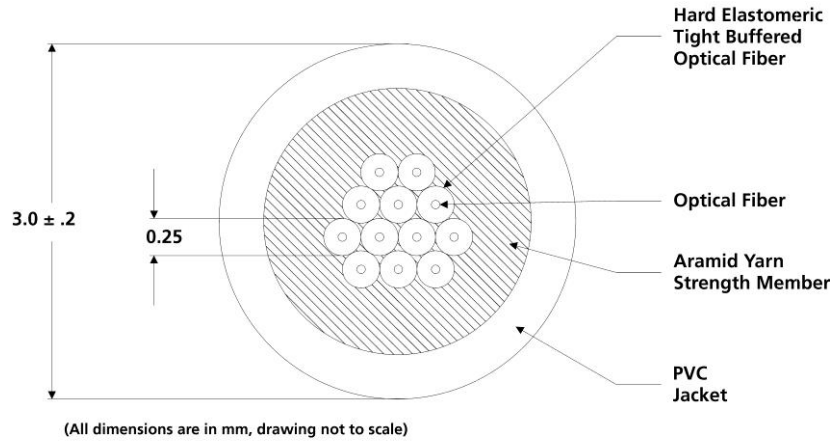




opticalCON | MTP® LITE Cable Datasheet



Number of Fibers	12	12
Fiber Type	multimode	single-mode
Fiber standard	OM3	G.657.A2
Core Diameter	50 µm	9 µm
Cladding Diameter	125 µm	125 µm
Coating Diameter	250 µm	250 µm
Numerical Aperture	0.20	
Proof Test Level	100 kpsi	100 kpsi
Wavelength	850 nm/1300 nm	1310 nm/ 1550 nm
Attenuation	3.0 dB/km (850 nm); 1.0 dB/km (1300 nm)	0.35 dB/km (1310 nm) 0.21 dB/km (1550 nm)
Bandwidth	1500 MHz-km (850nm) 500 MHz-km (1300nm)	-
Nominal Dispersion Slope	-	0.092 ps/(nm ² -km)
Cable Surface	PVC jacket (black)	PVC jacket (black)
Cable Weight	9.85 kg/km	9.85 kg/km
Cable Diameter	3.0 mm ± .20 mm	3.0 mm ± .20 mm
Installation:		
Max. Tensile Load	1000 N	1000 N
Min. Bend Radius	> 45 mm	> 45 mm
Operation:		
Max. Tensile Load	500 N	500 N
Min. Bend Radius	> 30 mm	> 30 mm
Impact Resistance	20 impacts (EIA/TIA-455-25B Military Req.)	20 impacts (EIA/TIA-455-25B military req.)
Crush Resistance	644 N/cm (TIA/EIA-455-41A military req.)	644 N/cm (TIA/EIA-455-41A military req.)
Number of Conductors	-	-
Nominal Core OD	-	-
Conductor resistance	-	-
Operation Temperature	-20°C to +75°C	-20°C to +75°C
Storage Temperature	-40°C to +85°C	-40°C to +85°C
Bend optimized	Yes	Yes
Laser optimized	Yes	No