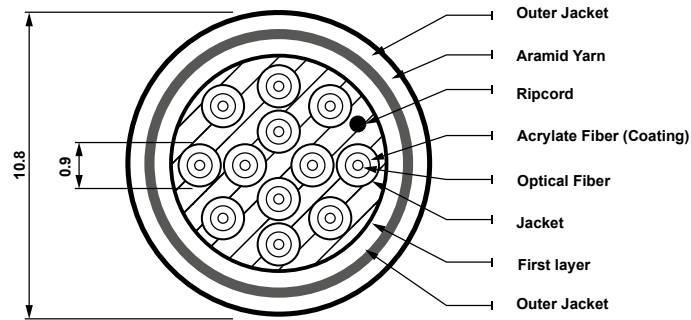




Cable Datasheet

opticalCON® MTP® X-TREME



Technical Data Cables

Number of Fibers	12	12		
Fiber Type	Multimode	Single-mode		
Fiber standard	OM3	G.657A2		
Core Diameter	50 μm	9 μm		
Cladding Diameter	125 μm	125 μm		
Primary Coating Diameter	242 μm	250 μm		
Secondary Buffer Diameter	900 μm	900 μm		
Numerical Aperture	0.20	-		
Proof Test Level	200 kpsi	100 kpsi		
Wavelength	850 nm	1300 nm	1310 nm	1550 nm
Gigabit Ethernet Distance	1000 m	550 m	-	-
Attenuation	3 dB/km	1 dB/km	0.38 dB/km	0.28 dB/km
Bandwidth	1500 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm ² -km)	-
Refraction index	1.483	1.479	1.467	1.47
Cable Surface	Black Matt	Black Matt		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	111 kg/km	111 kg/km		
Cable Diameter	10.8 mm	10.8 mm		
Installation (static):				
Max. Tensile Load	2200 N	2200 N		
Min. Bend Radius	162 mm	162 mm		
Operation (dynamic):				
Max. Tensile Load	2200 N	2200 N		
Min. Bend Radius	108 mm	108 mm		
Impact Resistance	-	-		
Crush Resistance	500 N/cm (EIA/TIA-455-41A)	500 N/cm (EIA/TIA-455-41A)		
Number of Conductors	-	-		
Nominal Core OD	-	-		
Conductor resistance	-	-		
Operation Temperature	-55°C to +85°C	-55°C to +85°C		
Storage Temperature	-40°C to +85°C	-40°C to +85°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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