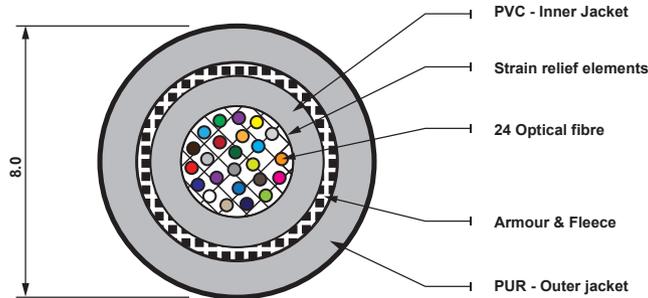




# Cable Datasheet

## opticalCON® MTP® 24 X-TREME



### Technical Data Cables

Number of Fibers	24	24		
Fiber Type	Multimode (MM)	Single-mode (SM)		
Fiber standard	OM3	G.657A2		
Core Diameter	50 µm	9 µm		
Cladding Diameter	125 µm	125 µm		
Primary Coating Diameter	242 µm	250 µm		
Numerical Aperture	0.20	-		
Proof Test Level	100 kpsi	100 kpsi		
Wavelength	850 nm	1300 nm	1310 nm	1550 nm
1 Gigabit Ethernet Distance	1000 m (1000 BASE-SX)	550 m (1000 BASE-LX)	-	-
10 Gigabit Ethernet Distance	300 m (10 GBASE-SX)	300 m (10 GBASE-LX)	-	-
Bandwidth	1500 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm <sup>2</sup> -km)	-
Refraction index	1.483	1.479	1.467	1.47
Cable Surface	Black	Black		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	111 kg/km	111 kg/km		
Cable Diameter	8.0 mm	8.0 mm		
Installation (static):				
Max. Tensile Force	1300 N	1300 N		
Min. Bend Radius (static) (acc. IEC 60794-1-2 E11A)	10 x outer diameter	10 x outer diameter		
Min. Bend Radius (dynamic) (acc. IEC 60794-1-2 E6)	15 x outer diameter	15 x outer diameter		
Impact Resistance	-	-		
Max. Crush Resistance (acc. IEC 60794-1-2 E3, short term)	5000 N/dm	5000 N/dm		
Operation Temperature	-20°C to +85°C	-20°C to +85°C		
Storage Temperature	-46°C to +85°C	-46°C to +85°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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