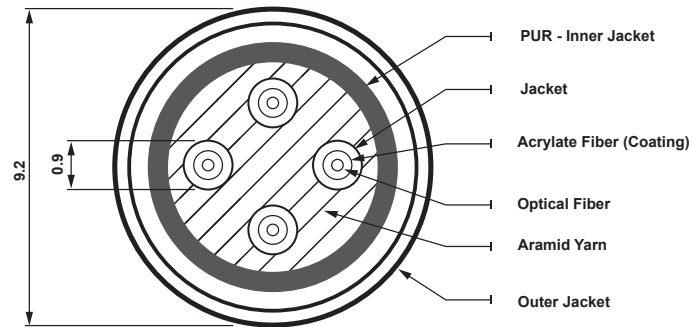




Cable Datasheet

opticalCON® QUAD ADVANCED XTREME



Technical Data Cables

Number of Fibers	4	4		
Fiber Type	Multimode	Single-mode		
Fiber standard	OM3	G.657A		
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	82 kg/km	82 kg/km		
Cable Diameter	9.2 mm	9.2 mm		
Installation (static):				
Max. Tensile Load	2200 N, short term	2200 N, short term		
Min. Bend Radius	92 mm	92 mm		
Operation (dynamic):				
Max. Tensile Load	2200 N, short term	2200 N, short term		
Min. Bend Radius	138 mm	138 mm		
Impact Resistance	20 (EIA/TIA-455-25B)	20 (EIA/TIA-455-25B)		
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	-40°C to +70°C	-40°C to +70°C		
Storage Temperature	-55°C to +85°C	-55°C to +85°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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