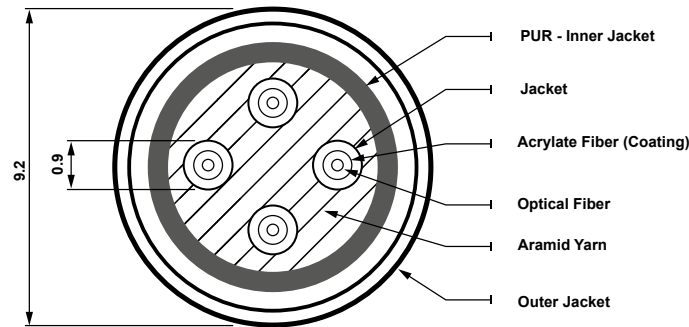




# Cable Datasheet

## opticalCON® QUAD 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	245 µm			
Secondary Buffer Diameter	900 µm	900 µm			
Numerical Aperture	0.20 µm	-			
Proof Test Level	100 kpsi	100 kpsi			
Wavelength	850 nm	1300 nm	1310 nm	1550 nm	1625 nm
Gigabit Ethernet Distance	1000 m	550 m	-	-	-
Attenuation	2.5 dB/km	0.7 dB/km	0.36 dB/km	0.22 dB/km	0.23 db/km
Bandwidth	2000 MHz-km	500 MHz-km	-	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm <sup>2</sup> -km)	-	-
Refraction index	1.480	1.479	1.467	1.468	-
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:					
Max. Tensile Load	2200 N	2200 N			
Min. Bend Radius	92 mm	92 mm			
Operation:					
Max. Tensile Load	2200 N	2200 N			
Min. Bend Radius	138 mm	138 mm			
Impact Resistance	Kommt noch	Kommt noch			
Crush Resistance	500 N/cm	500 N/cm			
Number of Conductors	-	-			
Nominal Core OD	-	-			
Conductor resistance	-	-			
Operation Temperature	-55°C to +85°C	-55°C to +85°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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