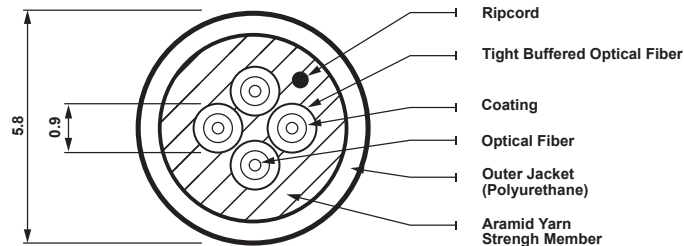




# Cable Datasheet

## opticalCON® QUAD ADVANCED



### Technical Data Cables

Number of Fibers	4	4		
Fiber Type	Multimode	Single-mode		
Fiber standard	OM3	G.657A1		
Core Diameter	50 µm	9 µm		
Cladding Diameter	125 µm	124.8 µm		
Primary Coating Diameter	280 µm	280 µm		
Secondary Buffer Diameter	900 µm	900 µm		
Numerical Aperture	0.20	-		
Proof Test Level	100 kpsi	100 kpsi		
Wavelength	850 nm	1300 nm	1310 nm	1550 nm
Gigabit Ethernet Distance	1000 m	550 m	-	-
Attenuation	2.5 dB/km	0.6 dB/km	0.35 dB/km	0.21 dB/km
Bandwidth	1500 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm <sup>2</sup> -km)	-
Refraction index	1.482	1.477	1.467	1.467
Cable Surface	Black Matt	Black Matt		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	31 kg/km	31 kg/km		
Cable Diameter	5.8 mm	5.8 mm		
Installation (static):				
Max. Tensile Load	900 N, short term	900 N, short term		
Min. Bend Radius	48 mm	48 mm		
Operation (dynamic):				
Max. Tensile Load	900 N, short term	900 N, short term		
Min. Bend Radius	24 mm	24 mm		
Impact Resistance	-	-		
Crush Resistance	200 N/cm (IEC 60794-1-21-E3), short term	200 N/cm (IEC 60794-1-21-E3), short term		
Number of Conductors	-	-		
Nominal Core OD	-	-		
Conductor resistance	-	-		
Operation Temperature	-55°C to +85°C	-55°C to +85°C		
Storage Temperature	-70°C to +85°C	-70°C to +85°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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