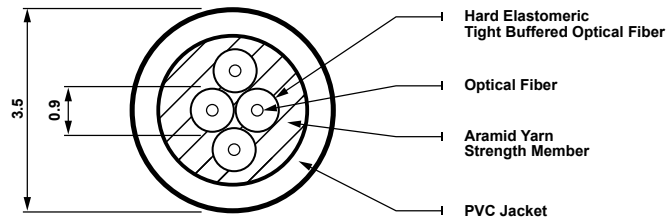




# Cable Datasheet

## opticalCON® QUAD LITE



### 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	2.5 dB/km	0.7 dB/km	0.36 dB/km	0.22 dB/km
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 Matt	Black Matt		
Jacket material	Polyvinylchloride	Polyvinylchloride		
Cable Weight	14 kg/km	14 kg/km		
Cable Diameter	3.5 mm	3.5 mm		
Installation (static):				
Max. Tensile Load	400 N	400 N		
Min. Bend Radius	35 mm	35 mm		
Operation (dynamic):				
Max. Tensile Load	400 N	400 N		
Min. Bend Radius	53 mm	53 mm		
Impact Resistance	-	-		
Crush Resistance	500 N/cm	500 N/cm		
Number of Conductors	-	-		
Nominal Core OD	-	-		
Conductor resistance	-	-		
Operation Temperature	-40°C to +85°C	-40°C to +85°C		
Storage Temperature	-20°C to +70°C	-20°C to +70°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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