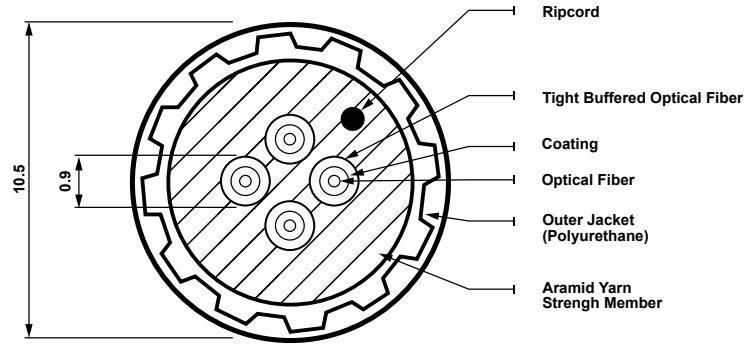




Cable Datasheet

opticalCON® QUAD ARMORED



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	1.500 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm ² -km)	-
Refraction index	1.482	1.477	1.467	1.467
Cable Surface	V-jacket (Grey Matt)	V-jacket (Grey Matt)		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	231 kg/km	231 kg/km		
Cable Diameter	10.5 mm	10.5 mm		
Installation:				
Max. Tensile Load	1000 N, short term	1000 N, short term		
Min. Bend Radius	80 mm	80 mm		
Operation:				
Max. Tensile Load	-	-		
Min. Bend Radius	50 mm	50 mm		
Impact Resistance	-	-		
Crush Resistance	1250 N/cm, short-term	1250 N/cm, 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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