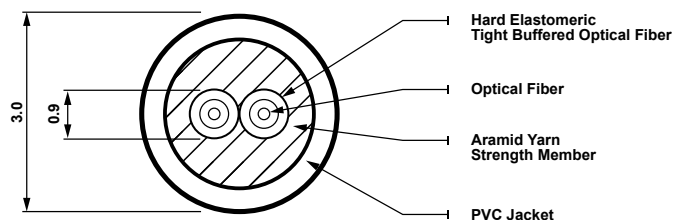




Cable Datasheet

opticalCON[®] DUO LITE



Technical Data Cables

Number of Fibers	2		2	
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 ² -km)	
Refraction index	1.483	1.479	1.467	1.47
Cable Surface	V-jacket (Black)		V-jacket (Black)	
Jacket material	Polyvinylchloride		Polyvinylchloride	
Cable Weight	9 kg/km		9 kg/km	
Cable Diameter	3 mm		3 mm	
Installation (static):				
Max. Tensile Load	400 N		400 N	
Min. Bend Radius	30 mm		30 mm	
Operation (dynamic):				
Max. Tensile Load	400 N		400 N	
Min. Bend Radius	45 mm		45 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	