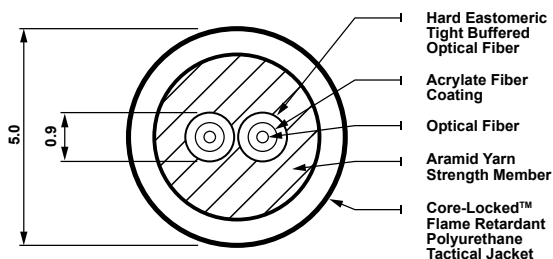




Cable Datasheet

opticalCON® DUO ADVANCED



Technical Data Cables

Number of Fibers	2		2	
Fiber Type	Multimode		Single-mode	
Fiber standard	OM3		G.657A1	
Core Diameter	50 μm		9 μm	
Cladding Diameter	125 μm		125 μm	
Primary Coating Diameter	245 μm		245 μm	
Secondary Buffer Diameter	900 μm		900 μm	
Numerical Aperture	0.20		-	
Proof Test Level	100 kpsi		100 kpsi	
Wavelength	850 nm	1310 nm	1310 nm	1550 nm
Gigabit Ethernet Distance	1000 m	600 m	-	-
Attenuation	3.5 dB/km	1.5 dB/km	0.5 dB/km	0.5dB/km
Bandwidth	2000 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm²-km)	-
Refraction index	1.483	1.479	1.458	1.458
Cable Surface	V – jacket (Grey matt)		V – jacket (Grey matt)	
Jacket material	Polyurethane		Polyurethane	
Cable Weight	21 kg/km		23 kg/km	
Cable Diameter	5 mm		5 mm	
Installation (static):				
Max. Tensile Load	1800 N		1800 N	
Min. Bend Radius	80 mm		80 mm	
Operation (dynamic):				
Max. Tensile Load	600 N		600 N	
Min. Bend Radius	40 mm		40 mm	
Impact Resistance	1500 impacts (EIA-455-25A)		1500 impacts (EIA/TIA-455-25A)	
Crush Resistance	1800 N/cm (EIA-455-41A)		1800 N/cm (TIA/EIA-455-41A)	
Number of Conductors	-		-	
Nominal Core OD	-		-	
Conductor resistance	-		-	
Operation Temperature	-40°C to +71°C		-40°C to +71°C	
Storage Temperature	-55°C to +85°C		-55°C to +85°C	
Bend optimized	Yes		Yes	
Laser optimized	Yes		No	