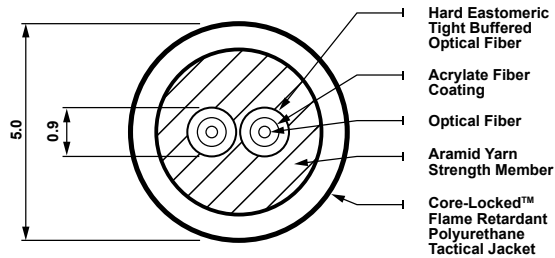




Cable Datasheet

opticalCON[®] DUO ADVANCED



Technical Data Cables

Electrical				
Number of Fibers	2		2	
Fiber Type	Multimode		Single-mode	
Fiber standard	OM3		G.657A1	
Core Diameter	50 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 µm		-	
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/(nm ² -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	
Mechanical				
Installation:				
Max. Tensile Load	1800 N		1800 N	
Min. Bend Radius	80 mm		80 mm	
Operation:				
Max. Tensile Load	600 N		600 N	
Min. Bend Radius	50 mm		50 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-455-4A)	
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	