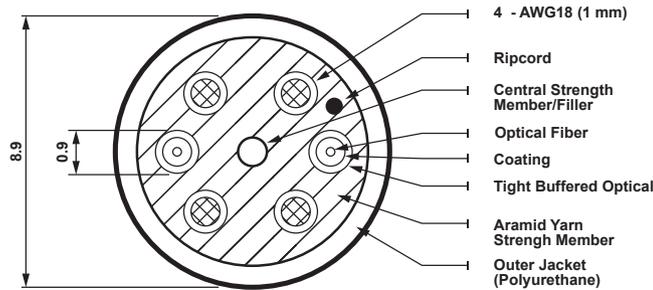




Cable Datasheet

opticalCON[®] DUO ADVANCED HYBRID



Technical Data Cables

Number of Fibers	2	
Fiber Type	Multimode	
Fiber standard	OM3	
Core Diameter	50 µm	
Cladding Diameter	125 µm	
Primary Coating Diameter	245 µm	
Secondary Buffer Diameter	900 µm	
Numerical Aperture	-	
Proof Test Level	-	
Wavelength	850 nm	1300 nm
Gigabit Ethernet Distance	1000 m	600 m
Attenuation	2.5 dB/km	0.7 dB/km
Bandwidth	1500 MHz-km	500 MHz-km
Nominal Dispersion Slope	-	-
Refraction index	1.482	1.477
Cable Surface	Black Matt	
Jacket material	Polyurethane	
Cable Weight	78 kg/km	
Cable Diameter	8.9 mm	
Installation (static):		
Max. Tensile Load	3500 N, short term	
Min. Bend Radius	150 mm	
Operation (dynamic):		
Max. Tensile Load	1750 N, short term	
Min. Bend Radius	100 mm	
Impact Resistance	-	
Crush Resistance	1000 N/cm short term	200 N/cm long term
Number of Conductors	4	
Nominal Core OD	4 x AWG 18	
Conductor resistance	13.6 Ω/km	84.2 Ω/km
Operation Temperature	-20°C to +70°C	
Storage Temperature	-25°C to +70°C	
Bend optimized	No	
Laser optimized	Yes	

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