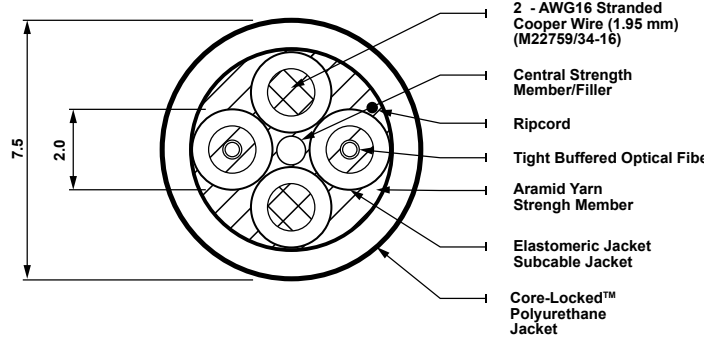




# Cable Datasheet

## opticalCON<sup>®</sup> DUO ADVANCED LOW VOLTAGE HYBRID



### Technical Data Cables

Number of Fibers	2	
Fiber Type	Singlemode	
Fiber standard	G.657A1	
Core Diameter	9 μm	
Cladding Diameter	125 μm	
Primary Coating Diameter	245 μm	
Fiber Buffer tube Diameter	900 μm	
Numerical Aperture	-	
Proof Test Level	100 kpsi	
Wavelength	1310 nm	1550 nm
Gigabit Ethernet Distance	-	-
Attenuation	0.5 dB/km	0.5 dB/km
Bandwidth	-	-
Nominal Dispersion Slope	0.092 ps/(nm <sup>2</sup> -km)	
Refraction index	1.458	1.458
Cable Surface	V-jacket Black matt	
Jacket material	Polyurethane	
Cable Weight	65 kg/km	
Cable Diameter	7.5 mm	
Installation (static):		
Max. Tensile Load	2200 N	
Min. Bend Radius	120 mm	
Operation (dynamic):		
Max. Tensile Load	550 N	
Min. Bend Radius	75 mm	
Impact Resistance	100 impacts (EIA-455-25A)	
Crush Resistance	1800 N/cm (EIA-455-41A)	
Number of Conductors	2	
Nominal Core OD	2 x AWG 16	
Conductor resistance	13.6 Ω/km	
Operation Temperature	-55°C to +85°C	
Storage Temperature	-70°C to +85°C	
Bend optimized	Yes	
Laser optimized	No	