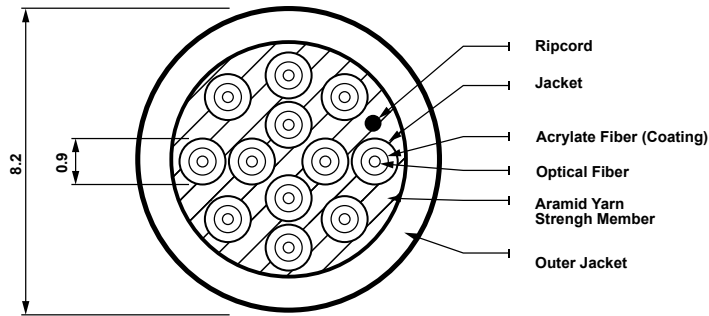




# Cable Datasheet

## opticalCON® MTP® & SPLIT ADVANCED



### Technical Data Cables

Number of Fibers	12	12		
Fiber Type	Multimode	Single-mode		
Fiber standard	OM3	G.657A1		
Core Diameter	50 µm	9 µm		
Cladding Diameter	125 µm	124.8 µm		
Primary Coating Diameter	280 µm	280 µm		
Secondary Buffer Diameter	900 µm	900 µm		
Numerical Aperture	0.20	-		
Proof Test Level	100 kpsi	100 kpsi		
Wavelength	850 nm	1300 nm	1310 nm	1550 nm
Gigabit Ethernet Distance	1000 m	550 m	-	-
Attenuation	3 dB/km	1 dB/km	0.38 dB/km	0.28 dB/km
Bandwidth	1500 MHz-km	500 MHz-km	-	-
Nominal Dispersion Slope	-	-	0.092 ps/(nm <sup>2</sup> -km)	-
Refraction index	1.482	1.477	1.467	1.468
Cable Surface	Black Matt	Black Matt		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	60 kg/km	60 kg/km		
Cable Diameter	8.2 mm	8.2 mm		
Installation (static):				
Max. Tensile Load	600 N	600 N		
Min. Bend Radius	82 mm	82 mm		
Operation (dynamic):				
Max. Tensile Load	600 N	600 N		
Min. Bend Radius	33 mm	33 mm		
Impact Resistance	-	-		
Crush Resistance	30 N/cm (IEC 60794-1-21-E3)	30 N/cm (IEC 60794-1-21-E3)		
Number of Conductors	-	-		
Nominal Core OD	-	-		
Conductor resistance	-	-		
Operation Temperature	-55°C to +85°C	-55°C to +85°C		
Storage Temperature	-70°C to +85°C	-70°C to +85°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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