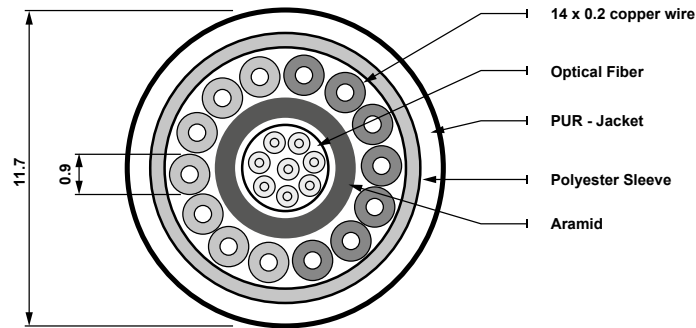




# Cable Datasheet

## opticalCON® POWER SPLIT



### Technical Data Cables

Number of Fibers	8	8		
Fiber Type	Multimode	Single-mode		
Fiber standard	OM3	G.657A		
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	-	-		
Proof Test Level	100 kpsi	100 kpsi		
Wavelength	850 nm	1300 nm	1310 nm	1550 nm
Gigabit Ethernet Distance	1000 m	550 m	-	-
Attenuation	2.5 dB/km	0.6 dB/km	0.35 dB/km	0.21 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	1.467
Cable Surface	Black Matt	Black Matt		
Jacket material	Polyurethane	Polyurethane		
Cable Weight	114 kg/km	114 kg/km		
Cable Diameter	11.7 mm	11.7 mm		
Installation (static):				
Max. Tensile Load	1100 N	1100 N		
Min. Bend Radius	175 mm	175 mm		
Operation (dynamic):				
Max. Tensile Load	1100 N	1100 N		
Min. Bend Radius	234 mm	234 mm		
Impact Resistance	-	-		
Crush Resistance	100 N/cm (IEC 60794-1-2-E3)	100 N/cm (IEC 60794-1-2-E3)		
Number of Conductors	14	14		
Nominal Core OD	7 x 0.22 mm <sup>2</sup>	7 x 0.22 mm <sup>2</sup>	7 x 0.22 mm <sup>2</sup>	7 x 0.22 mm <sup>2</sup>
Conductor resistance	12.5 Ω/km	12.5 Ω/km	12.5 Ω/km	12.5 Ω/km
Operation Temperature	-30°C to +75°C	-30°C to +75°C		
Storage Temperature	-30°C to +75°C	-30°C to +75°C		
Bend optimized	Yes	Yes		
Laser optimized	Yes	No		

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