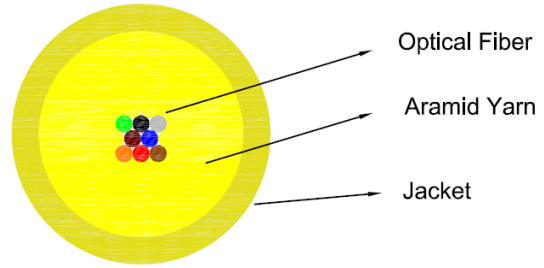


Technical Data Sheet

Fiber Optic Indoor Cable - 8 Fibers OS2 Round Cable



Standard Compliance	ISO/IEC 11801 Category OS2	EN 50173-1:2007 Category OS2			
	ISO/IEC 24702:2006 Category OS2 and OS1	IEEE 802.3-2002 with amendment 802.3ae-2002			
	IEC 60793-2-50 Category B1.3	ITU-T Recommendation G.652.D & G.657A1			
Dimensional Specifications	Fiber Count : 8				
	Fibre Core (um) : 8.2				
	Core Non-Circularity : $\leq 0.7\%$				
	Core-Clad Concentricity (um) : ≤ 0.5				
	Cladding Diameter (um) : 125.0 \pm 0.7				
	Cladding Non-Circularity : $\leq 1.0\%$				
	Coating Diameter (um) : 242 \pm 5				
	Coating-Clad Concentricity Error(um) : ≤ 12				
	Cable Diameter (mm) : 3.0 (2.9 \pm 0.1)				
	Jacket Material : PVC / LSZH				
	High strength Aramid yarn strength members for ease of handling				
1-8 Fibers Color	Blue 、 Orange 、 Green 、 Brown 、 Grey 、 White 、 Red 、 Black				
Sheath Color	Yellow				
Technical Specifications	Strength	Long-term (N)	60		
		Short-term (N)	100		
	Crush Resistance	Long-term (N/100mm ²)	100		
		Short-term (N/100mm ²)	500		
	Min. Bending Radius	Installation	30 x Cable diameter		
		Long term	10 x Cable diameter		
	Fiber Macrobend Loss	Radius (mm)	Number of Turns	Wavelength (nm)	Induced Attenuation (dB)
		10	1	1550	≤ 0.3
		15	10	1625	≤ 0.2
	Temperature Range	Operating	0°C~+50°C		
Storage		-20°C~+70°C			
Optical Specifications	Attenuation 1310nm (dB/KM)		≤ 0.35		
	Attenuation 1383nm (dB/KM)		≤ 0.35		
	Attenuation 1490nm (dB/KM)		≤ 0.24		
	Attenuation 1550nm (dB/KM)		≤ 0.20		
	Attenuation 1625nm (dB/KM)		≤ 0.23		
	Numerical Aperture		0.14		