



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 and G.657A2			
Dimensional Specifications	Fiber Count : 12				
	Fibre Core (um) : 8.2				
	Core Non-Circularity : ≤ 0.7%				
	Core-Clad Concentricity (um) : ≤ 0.5				
	Cladding Diameter (um) : 125.0±0.7				
	Cladding Non-Circularity : ≤ 1.0%				
	Coating Diameter (um) : 242±5				
	Coating-Clad Concentricity Error (um) : ≤ 12				
	Cable Diameter (mm) : 3.0 (2.9±0.1)				
	Jacket Material : PVC / LSZH				
High strength Aramid yarn strength members for ease of handling					
1-12 Fibers Color	Blue · Orange · Green · Brown · Grey · White · Red · Black · Yellow · Violet · Rose · Aqua				
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	