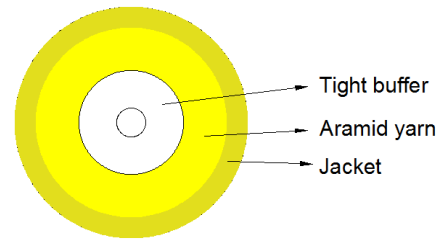
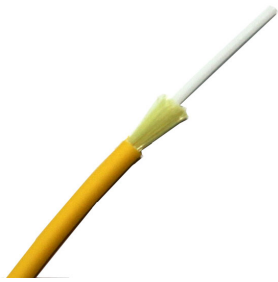


Technical Data Sheet

Fiber Optic Indoor Cable - OS2 / OS1 Simplex



Standard Compliance	ISO/IEC 11801 Category OS2 ISO/IEC 24702:2006 Category OS2 and OS1 IEC 60793-2-50 Category B1.3		EN 50173-1:2007 Category OS2 IEEE 802.3-2002 with amendment 802.3ae-2002 ITU-T Recommendation G.652.D																																		
Dimensional Specifications	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 Tight-Buffer (mm) : 0.9 Cable Diameter (mm) : 2.0 (1.9±0.1) / 3.0 (2.9±0.1) Jacket Material : PVC / LSZH High strength Aramid yarn strength members for ease of handling																																				
Sheath Color	Yellow																																				
Technical Specifications	<table border="1"> <tr> <td colspan="2">Fiber count</td> <td colspan="2">1</td> </tr> <tr> <td colspan="2">Outer Diameter (mm)</td> <td>2.0</td> <td>3.0</td> </tr> <tr> <td colspan="2">Nominal Weight (kg/km)</td> <td>3.5</td> <td>6.8</td> </tr> <tr> <td rowspan="2">Max. installation tension(N)</td> <td>Short-term</td> <td>100</td> <td>150</td> </tr> <tr> <td>Long-term</td> <td>60</td> <td>80</td> </tr> <tr> <td rowspan="2">Min. Bending Radius</td> <td>Installation</td> <td colspan="2">20 x Cable diameter</td> </tr> <tr> <td>Long term</td> <td colspan="2">10 x Cable diameter</td> </tr> <tr> <td rowspan="2">Temperature Range</td> <td>Operating</td> <td colspan="2">0°C~+50°C</td> </tr> <tr> <td>Storage</td> <td colspan="2">-20°C~+70°C</td> </tr> </table>				Fiber count		1		Outer Diameter (mm)		2.0	3.0	Nominal Weight (kg/km)		3.5	6.8	Max. installation tension(N)	Short-term	100	150	Long-term	60	80	Min. Bending Radius	Installation	20 x Cable diameter		Long term	10 x Cable diameter		Temperature Range	Operating	0°C~+50°C		Storage	-20°C~+70°C	
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Optical Specifications	Attenuation 1310nm (dB/KM) Attenuation 1383nm (dB/KM) Attenuation 1490nm (dB/KM) Attenuation 1550nm (dB/KM) Attenuation 1625nm (dB/KM) Numerical Aperture		≤0.35 ≤0.35 ≤0.24 ≤0.20 ≤0.23 0.14																																		