

Multi Mode Indoor Optical Cable

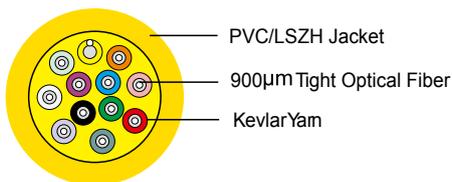
DESCRIPTION

PE insulated, aluminum mylar tape shield, PVC sheathed, indoor digital cable, used to transmit digital (2B+D) and analog signal between telecommunication socket of building.

APPLICATION

- High strength aramid yarn strength member ensures unyielding to tension and long term stability in transmission
- Small outer diameter, light weight, flame-retardant, easy to strip, low attenuation and highly soft
- Direct interconnect tight buffered cables and need no tie-in box or pigtail
- Suitable for construction operation and convenient for maintenance
- Building to building interconnection, indoor distribution
- As pigtail of the instrument-type communication equipment
- As the moveable connect line for patch cords and connectors

PRODUCT FIGURE



PVC/LSZH Jacket

900µm Tight Optical Fiber

Kevlar Yarn

ORDER INFORMATION

Part number	Description	Standard Color
FCS01-*	Single Mode Indoor Optical Cable	Yellow

FIBER OPTICAL CABLE, Indoor, single mode, orange color.

fiber item	2cores	4cores	6cores	8cores	10cores	12cores
fiber diameter (mm±0.25)	3.2	4.8	5.1	5.6	5.8	6.2
fiber character (kg/km)	11	18.4	22	24	27	31
fiber character						
attenuation (+20°C)	50µm	≤3.5dB/km @ 850nm		≤1.5dB/km @ 1300nm		
	62.5µm	≤3.5kB/km @ 850nm		≤1.5kB/km @ 1300nm		
	G.652	≤0.45dB/km @ 1310nm		≤0.40dB/km @ 1550nm		
	G.655	≤0.50dB/km @ 1310nm		≤0.50dB/km @ 1550nm		
bandwidth	50µm	≥200MHz·km@850nm		≥400MHz·km@1300nm		
	62.5µm	≥160MHz·km@850nm		≥200MHz·km@1300nm		
	NA	50µm		0.20±0.015		
	62.5µm			0.275±0.015		
end wave lengthλ _{cc}	G.652	≤1260nm				
	G.655	≤1480nm				
specs character						
tight optical fiber	900±50µm					
fiber outer diameter	125±1.0µm					
length	≤2200m					
environment character						
transport temperature	-20°C~+70°C					
storage temperature	-40°C~+70°C					
installation temperature	-5°C~+50°C					
operation temperature	-20°C~+70°C					
the extra temperature attenuation Λ_{α} (-20°C~+70°C)	50µm	≤0.50dB/km @1300nm				
	62.5µm	≤0.50kB/km @1300nm				
	G.652	≤0.20dB/km @1550nm				
	G.655	≤0.20dB/km @1550nm				
allowable tension	long time	200N				
	short time	660N				
allowable press force	long time	300N/100mm				
	short time	1000N/100m				
short term bend radius	20×D (Fiber optical short axis)					
long term bend radius	10×D (Fiber optical short axis)					