

FCM01-*-OM3

Multi Mode Indoor Optical Cable

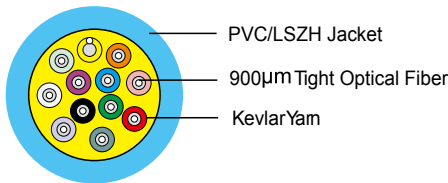
DESCRIPTION

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



ORDER INFORMATION

Part number	Description	Standard Color
FCM01-*-OM3-150	Multi Mode Indoor Optical Cable	Light Blue
FCM01-*-OM3-300	Multi Mode Indoor Optical Cable	Light Blue
FCM01-*-OM3-550	Multi Mode Indoor Optical Cable	Light Blue

FIBER OPTICAL CABLE, Indoor, OM3 multi mode, light blue 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	≤ 3.0dB/km @ 850nm		≤ 1.0dB/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 length(µm)	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 $\Delta\alpha$ (-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	400N				
	short time	1200N				
allowable press force	long time	300N/100mm				
	short time	1000N/100m				
short term bend radius	20xD (Fiber optical short axis)					
long term bend radius	10xD (Fiber optical short axis)					