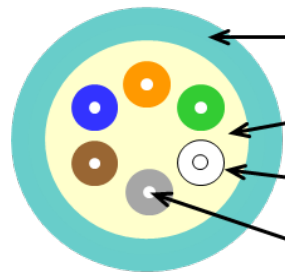


Technical Data Sheet

Fiber Optic Indoor Cable - OM3 Breakout Cable

P/N : FCM306RIT2

For RoHS



1. Jacket
2. Kevlar (Strength Member Aramid Yarn)
3. 900um Tight Buffer
4. Fiber

Standard Compliance	TIA/EIA-492 AAAC-B IEC 60793-2-10 Type A1a.2 Fiber	ISO/IEC 11801 Type OM3 Fiber ITU G.651.1	
Dimensional Specifications	Fiber Count :	6	
	Fibre Core (um) :	50.0±2.5	
	Core Non-Circularity :	≤5.0%	
	Core-Clad Concentricity (um) :	≤1.0	
	Cladding Diameter (um) :	125±1.0	
	Cladding Non-Circularity :	≤1.0	
	Coating Diameter (um) :	245±7	
	Coating-Clad Concentricity (um) :	≤ 10	
	Tight-Buffer (mm) :	0.9mm	
	Cable Diameter (mm) :	4.6±0.2	
	Jacket Material :	OFNR	
		High strength Aramid yarn strength members for ease of handling	
1-6C Fibers Color	Transparent		
1-6C Tight-Buffer Color	Blue · Orange · Green · Brown · Gray · White		
Sheath Color	OFNR		
	Aqua Pantone 325C		
Printing	ELITE 6C OPTICAL CABLE - 300M/10G OM3 OPTICAL FIBER OFNR E319478 (UL) MMY		
Technical Specifications	Strength	Long-term (N)	60
		Short-term (N)	100
	Crush Resistance	Long-term (N/100mm²)	100
		Short-term (N/100mm²)	500
	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
Optical Specifications	Overfilled Launch Bandwidth 850nm (Mhz.km)	≥ 1500	
	Overfilled Launch Bandwidth 1300nm (Mhz.km)	≥ 500	
	Attenuation 850nm (dB/KM)	≤2.4	
	Attenuation 1300nm (dB/KM)	≤0.6	
	Numerical Aperture	0.200± 0.015	
	Macrobending performance		
	2 Turns 7.5 mm Radius @ 850nm (dB)	≤ 0.2	
	2 Turns 7.5 mm Radius @ 1300nm (dB)	≤ 0.5	
	2 Turns 15 mm Radius @ 850nm (dB)	≤ 0.1	
	2 Turns 15 mm Radius @ 1300nm (dB)	≤ 0.3	
	Optimized Data Rate over Distance	10 Gb/s over 300 m & 40 Gb/s over 100 m	