

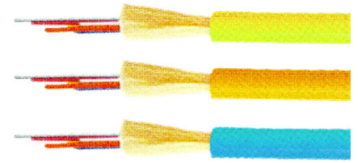


INDOOR DISTRIBUTION FIBER OPTIC CABLE

2 ~ 12 Cores

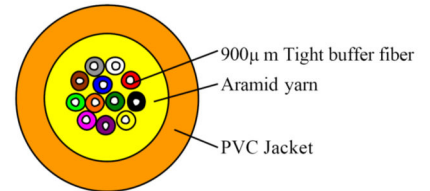
Description

The fibers, either single mode or multimode type, are 900 μm Tight buffer fiber. A layer of Aramid yarn is applied around the Tight buffer fibers as strength member. The cable is completed with a PVC Jacket (OFNR).



Application

This cable is suitable for Indoor Distribution in Riser or Fiber-to-the-Desk.



Standards

EN 50173, ISO/IEC 11801, IEC-60793-2, ANSI/TIA 568-C.3, ITU G.651.1/G.652.D

Characteristics

Accurate fiber excess length ensures good mechanical and temperature performance

Cable Properties

Fiber Count	Fiber Diameter, μm	PVC Jacket Thickness, mm	Cable Diameter, mm	Cable Weight, kg/km
2	900 ± 50	0.6	4.0 ± 0.25	appro. 13
4	900 ± 50	0.6	4.8 ± 0.25	appro. 16
6	900 ± 50	0.7	5.1 ± 0.25	appro. 20
8	900 ± 50	0.8	5.6 ± 0.25	appro. 27
10	900 ± 50	0.8	5.8 ± 0.25	appro. 29
12	900 ± 50	0.8	6.2 ± 0.25	appro. 32

Physical Properties

Tensile Strength, N	Long Term	200
	Short Term	600
Crush Resistance, N/100 mm	Long Term	300
	Short Term	1000
Bending Radius	Static	10 x Outer Diameter
	Dynamic	20 x Outer Diameter
Operating Temperature	-20 °C to +60°C	
Storage Temperature	-20 °C to +60 °C	

Part Number #	Description
4XG-5530xx-a000	OM4 50/125 Multimode Indoor Distribution
3XG-5530xx-a000	OM3 50/125 Multimode Indoor Distribution
306-5530xx-a000	OM2 50/125 Multimode Indoor Distribution
306-6630xx-a000	OM1 62.5/125 Multimode Indoor Distribution
306-7730xx-a000	9/125 Single mode Indoor Distribution

Substitute : xx = Number of fiber core

*-a000, a = production code, subjected to change upon shipping



Physical Properties

Tensile Strength, N	Long Term	200
	Short Term	600
Crush Resistance, N/100 mm	Long Term	300
	Short Term	1000
Bending Radius	Static	10 x Outer Diameter
	Dynamic	20 x Outer Diameter
Operating Temperature	-20 °C to +60°C	
Storage Temperature	-20 °C to +60 °C	

Tight Buffer Fibers Colour

Fiber No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Optical Properties

		SM G652.D	OM4 50/125 μm	OM3 50/125 μm	OM2 50/125 μm	OM1 62.5/125 μm
Attenuation (+ 20 °C)	@ 850 nm	-	≤ 3.0 dB/km	≤ 3.0 dB/km	≤ 3.0 dB/km	≤ 3.0 dB/km
	@ 1300 nm	-	≤ 1.0 dB/km	≤ 1.0 dB/km	≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310 nm	≤ 0.36 dB/km	-	-	-	-
	@1550 nm	≤ 0.22 dB/km	-	-	-	-
Bandwidth (Class B)	@ 850 nm	-	≥ 3500 MHz-km	≥ 1500 MHz-km	≥ 500 MHz-km	≥ 200 MHz-km
	@ 1300 nm	-	≥ 500 MHz-km	≥ 500 MHz-km	≥ 500 MHz-km	≥ 500 MHz-km
Effective modal bandwidth	@ 850 nm	-	≥4700	≥2000	-	-
Cable Cut-off Wavelength , λ _{cc}		≤ 1260 nm	-	-	-	-
Min bend radius		16mm	30mm	30mm	30mm	30mm