

## SPECIFICATION

### INDOOR DISTRIBUTION FIBER OPTIC CABLE

2 ~ 12 Cores

<b>4XG-5530xx-Y0zz</b>	<b>OM4 50/125 Multimode Indoor Distribution</b>
<b>3XG-5530xx-Y0zz</b>	<b>OM3 50/125 Multimode Indoor Distribution</b>
<b>306-5530xx-Y0zz</b>	<b>OM2 50/125 Multimode Indoor Distribution</b>
<b>306-6630xx-Y0zz</b>	<b>OM1 62.5/125 Multimode Indoor Distribution</b>
<b>306-7730xx-Y0zz</b>	<b>9/125 Single mode Indoor Distribution</b>

#### General 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 or LSZH Jacket.

#### Application

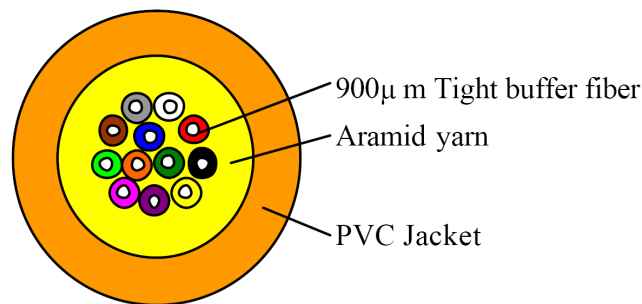
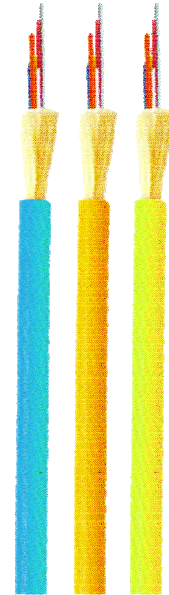
This cable is suitable for Indoor Distribution in Riser or Fiber-to-the-Desk.

#### Standards

EN 50173: 2002 category OM1/OM2, ISO/IEC 11801: category OM1/OM2, ANSI/TIA/EIA 568.2: 2002, ANSI/TIA/EIA 568.3: 2002, ANSI X3.166-1990, IEC 9314-3, IEC 60793-2-10, IEC 794, ITU Recommendation G652, G652A/B/C/D, IEC 60793-2-50 Type B1/B1.3/B4.

#### 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

#### 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
												



**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	

**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 <sub>cc</sub>		≤ 1260 nm	-	-	-	-
Min bend radius		16mm	30mm	30mm	30mm	30mm

**Note:**

1. Substitute XX-Y0zz: XX = number of core : zz with 00= PVC, LS = LSZH Jacket.