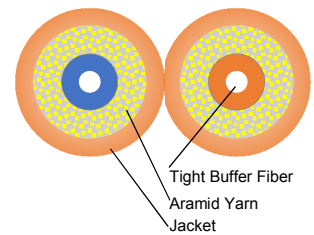




Duplex Fiber Optic Cordage

Description

The fibers, either single mode or multimode type, are 900µm Tight buffer fiber. A layer of Aramid yarn is applied around the Tight buffer fibers as strength member. The cable is completed with a figure-8 PVC jacket.

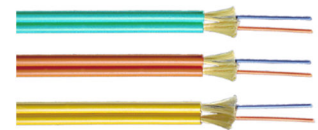


Application

This cable is suitable for Indoor jumper or interconnect between instruments and communication equipment.

Standards

ISO/IEC 11801, IEC-60793-2, ANSI/TIA 568-C.3, ITU G.651.1/G.652.D/G.657.A



Characteristics

- Accurate fiber excess length ensures good mechanical and temperature performance
- Low induced attenuation within the operating temperature range

Physical Properties

	No. of Fiber	Fiber	Buffer OD	Strength Member	Jacket	Weight
Material			PVC		PVC	kg/km
Dimension	2	245µm ±5µm	600µm ±50µm 900µm ±50µm 900µm ±50µm	Aramid	1.6mm(±0.5mm) x 3.4mm(±0.3mm) 2.0mm(±0.5mm) x 4.2mm(±0.3mm) 2.8mm(±0.5mm) x 6.0mm(±0.3mm)	7.3 10.5 15.6

Temperature range	°C	-20 to +60	
Min. Bending Radius (mm)	Install	x Diameter	20
Min. Bending Radius (mm)	Static	x Diameter	10
Max. Tension (N)	Short-term	N	200
Max. Tension (N)	Long-term	N	100
Max. Crushing Resistance (N/100mm ²)	N/100mm ²		1000

Part Number	Description
306-772002-a0yy	9/125 Duplex Single Mode Fiber Optic Cordage
4XG-552002-a0yy	OM4 50/125 Duplex Multimode Fiber Optic Cordage
3XG-552002-a0yy	OM3 50/125 Duplex Multimode Fiber Optic Cordage
306-552002-a0yy	OM2 50/125 Duplex Multimode Fiber Optic Cordage
306-662002-a0yy	OM1 62.5/125 Duplex Multimode Fiber Optic Cordage

Note:

1. Substitute : yy = 16(Ø1.6mm), 20(Ø2.0mm), 28(Ø2.8mm)
2. a = production code, subjected to change upon shipping
3. Available in G657A1 and G657A2, upon request



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	-	-	-	-