

## Multi-Mode Indoor Fiber Optic Cable



Indoor fiber optic cables are tight buffer design, usually it consists of aramid yarns distributed overwhich is used to strength the cable structure and to resist high tension, FR-LSZH outer jacket makes it perfect for indoor applications.

#### **Features**

- Conformance to ANSI/TIA-568.3-D, Telcordia GR-20, IEC 60794-2
- Flame retardant LSZH jacket
- Excellent consistence performance
- Covered under 3C3<sup>®</sup> Performance Warranty

#### **Mechanical Specifications**

Fiber Count : 6/12/24

Tight Buffer Material : Flame retardant LSZH

Tight Buffer diameter : 850±50µm Strength Member : Aramid Yarns

Outer Sheath : Flame retardant LSZH

Sheath Color : Aqua
Nominal Cable diameter : 6.5±0.5mm
Tensile Strength : 660N
Bend Radius : 10D
Kink Radius : 5D

Crush Resistance (Short) : 500N /100mm Crush Resistance (Long) : 100N /100mm

Impact Resistance : 1Nm

Torsion Strength :  $\pm 180$  degree Nominal Cable weight :  $40 \text{ kg/km} \pm 10$  Drum Length :  $2 \text{ Km} \pm 5 \%$ 

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### **Optical Specifications**

 $\begin{array}{lll} \mbox{Fiber Type} & : & 50/125 \mu m \\ \mbox{Fiber Coating Color} & : & \mbox{Uncolored} \end{array}$ 

Core Non-circularity :  $\leq 6\%$ 

Cladding Diameter :  $125.0\pm0.7\mu m$  Core/cladding Concentricity Error :  $\leq 1.5\mu m$  Cladding Non-circularity :  $\leq 1.0\%$  Coating Diameter :  $242\pm7\mu m$ 

Coating/cladding Concentricity Error : ≤ 12µm

Attenuation Co-efficient : 850nm≤3.0dB/km

: 1300nm≤1.0dB/km

Bandwidth : 850nm≥ 1500MHz.km

: 1300nm≥ 500MHz.km

Effective Mode Bandwidth : ≥ 4700MHz.km (0M4)

: ≥ 2000MHz.km (OM3)

Attenuation In-homogeneity :  $\leq 0.1 dB(500)$ Numerical Aperture :  $0.275\pm0.015 \mu m$ 

### **Environmental Specifications**

Installation Temperature :  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ Storage Temperature :  $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Operating Temperature :  $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ 

#### **Regulatory Compliances/Certifications**

RoHS Certified

#### **Ordering Information**

Product Code 51C05-XXX **Description** 

High Link Fiber Optic, Tight Buffered Indoor Cable, FR-LSZH, OM4

C = (2= OM2, 3 = OM3, 4 = OM4) XXX - 006/ 012/ 024 (Cores)

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Kindly note that any specifications including design, measurements, size, dimension, weight and material specifications mentioned for different products across any technical or commercial document are subject to change by 3C3 India Pvt. Ltd., without any notice.

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