

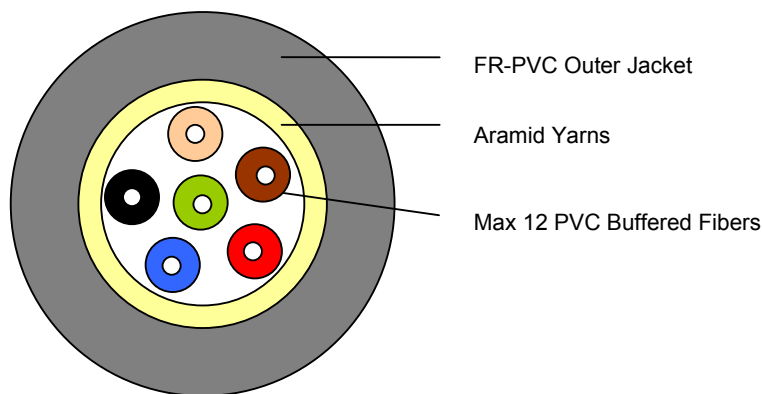
# Part No. UNIT50XC



## Cable Construction & Description

Cable Design Fiber Count	Cable Outside Diameter	Cable weight	Maximum Tensile Load		Maximum Bend Radius	
			Loaded	Loaded	Loaded	Loaded
2 - Fiber	4.8 mm	18.0 kg/km	800 N	200 N	7.2 cm	4.8 cm
4 - Fiber	5.2 mm	23.0 kg/km	1.000 N	300 N	7.8 cm	5.2 cm
6 - Fiber	5.7 mm	31.0 kg/km	1.000 N	300 N	8.5 cm	5.7 cm
8 - Fiber	6.1 mm	36.0 kg/km	1.400 N	440 N	9.1 cm	6.1 cm
12 - Fiber	7.0 mm	50.0 kg/km	1.800 N	600 N	10.5 cm	7.0 cm

## Cable Cross Section



## Cable Information

Fiber Buffering and Cable Jacketing Materials: FR - PVC

Storage Temperature: -40°C to +80°C

Operator Temperature: -20°C to +80°C

Type of Fiber Core: GIMM50

**Bending Radius:**

Static: 10D (Diameter of cable)

Dynamic: 20D (Diameter of cable)

# UNIT50XC

## Application

Indoor

## Optical Fiber Performance

### 1. Optical & Geometrical Performance (Single mode 9/125 $\mu$ m)

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Core Diameter: 9 $\mu$ m  
Cladding Diameter: 125 $\mu$ m  
Coating Diameter : 245 $\mu$ m  
Buffer Diameter : 900 $\mu$ m

### 2. Optical & Geometrical Performance (Multi mode 50/125 $\mu$ m)

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Core Diameter: 50 $\mu$ m  
Cladding Diameter: 125 $\mu$ m  
Coating Diameter : 245 $\mu$ m  
Buffer Diameter : 900 $\mu$ m

### 3. Optical & Geometrical Performance (Multi mode 62.5/125 $\mu$ m)

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Core Diameter: 62.5 $\mu$ m  
Cladding Diameter: 125 $\mu$ m  
Coating Diameter : 245 $\mu$ m  
Buffer Diameter : 900 $\mu$ m

## Optical Transmission Performance

### 1. Single mode (1310/1550nm) 9/125 $\mu$ m

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Maximum Attenuation (db/km) : 1.0/0.75 $\mu$ m  
Typical Attenuation (db/km) : 0.5/0.4 $\mu$ m  
Maximum Bandwidth (MHz km) : N/A $\mu$ m

### 2. Multi mode (850/1300) 50/125 $\mu$ m

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Maximum Attenuation (db/km) : 3.5/1.5 $\mu$ m  
Typical Attenuation (db/km) : 3.0/1.0 $\mu$ m  
Maximum Bandwidth (MHz km) : 500/500 $\mu$ m

### 3. Multi mode (850/1300) 62.5/125 $\mu$ m

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Maximum Attenuation (db/km) : 3.5/1.5 $\mu$ m  
Typical Attenuation (db/km) : 3.0/1.0 $\mu$ m  
Maximum Bandwidth (MHz km) : 200/600 $\mu$ m