

# CRESFIBER-P-SP1000

## CresFiber® Fiber Optic Cable, 50/125 x4 breakout, plenum, 1000 ft spool

For a substitute, please see CRESFIBER8G-P.

Crestron CresFiber is multimode fiber optic cable designed to ensure the simple and reliable installation of a fiber-based DigitalMedia? system. High-bandwidth laser-optimized cores enable wire runs up to a maximum of 1000 ft (300 m) between DM devices. Breakout cable construction helps simplify termination, providing four individually jacketed fiber strands within a single reinforced outer jacket, eliminating any need for a separate breakout assembly or intermediary splice. Only two fiber strands are required for connecting DigitalMedia equipment, leaving two spare strands for backup or expansion.

Available in 500 and 1000 ft spools, model CRESFIBER-P is plenum-rated for use in an environmental air-handling space. (For non-plenum indoor riser applications, use **CRESFIBER-NP**.) Foot markers are printed on the outer jacket making it easy to determine the exact length of each cable run when commissioning the installed system. Termination of CresFiber cable can be accomplished in under 10 minutes per connector using Crestron **CRESFIBER-CONN-SC50UM** connectors and the **CRESFIBER-TK** termination kit.

### SPECIFICATIONS

#### Multimode Fiber Strands (x4)

Fiber Core: Core/Cladding Diameter: 50/125  $\mu$ m nominal;

Minimum Laser Bandwidth/EMB: 750 MHz/km at 850 nm, 500 MHz/km at 1300 nm;

Maximum Attenuation: 3 dB/km at 850 nm, 1 dB/km at 1300 nm;

Buffer: Type: Tight, 900  $\mu$ m diameter nominal;

Strength Member : Material: Aramid fiber

Jacket: Colors (1-4): Blue, Orange, Green, Brown;

Material: Low-smoke PVC;

#### Outer Jacket

Jacket: Material: Low-smoke PVC;



Ripcord: Yes;

Tape Wrap: Polypropylene;

Outer Diameter: 0.313 inch (8.0 mm) nominal or less;

Central Strength Member: Material: Fiberglass epoxy rod (dielectric)

#### Mechanical

Maximum Tensile Load: 270 lbf (1200 N) for installation, 110 lbf (500 N) for operation

Minimum Bend Radius: 6.3 in (160 mm) for installation, 3.15 in (80 mm) for operation

Crush Resistance (EIA 455-41): 100 N/cm

Impact Resistance (EIA 455-25): 25 impacts minimum

Flexing,  $\pm 90^\circ$ : 25 cycles minimum

#### Environmental

Operating Temperature: +32° to +185°F (-0° to +85°C)

Installation Temperature: +32° to +167°F (0° to +75°C)

Storage Temperature: -4° to +185°F (-20° to +85°C)

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**Weight**  
40 lb/1000 ft (59 kg/km) nominal

**Rating**  
OFNP (UL 910), CSA FT6