

## 2F- Armored Fiber Optic Cable PE jacket Part No: 180/0053



### **Armored optical cable for outdoor use—Ø3.3 mm PE Duplex cable**

**Structure: 0.6MM tight-buffered fiber\*2+ flexible steel tube+ Aramid yarn + PE jacket**

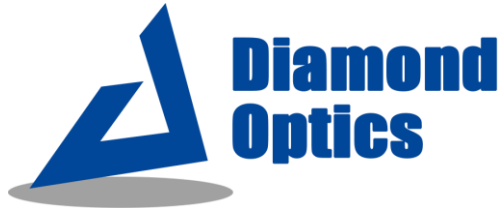
The armored fiber optic cable is protected by flexible stainless-steel tube. Compared with the regular fiber cable, it has advantage performance of High compression & impact resistance, anti-bug. With fixed standard 3mm fiber optic connector, it is widely used in various outdoor applications.

### ***Characteristics:***

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meets the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

### ***Application:***

- Used in Indoor and Outdoor distribution;
- Used in pigtails and patch cords;
- Used in optical connections in optical communication equipment rooms and optical distribution frames;
- Used in optical connections in optical apparatus and equipment.



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## Specifications:

### Tight-buffered fiber:

SM or MM available 0.6mm PVC tight-buffered fiber \*2

### Color:

SM/ White or yellow

MM/Blue or orange

### General attenuation:

SM:1310 nm $\leq$ 0.4dB/km;1550 nm $\leq$ 0.3dB/km

MM:850 nm $\leq$ 3.0dB/km;1300 nm $\leq$ 1.0dB/km

### Flexible steel tube:

material: SUS204

Outer diameter: 1.80 $\pm$ 0.05mm

Insider diameter: 1.25 $\pm$ 0.05mm

Gap: 0.15 $\pm$ 0.05 mm

Compression resistant strength:  $\geq$ 3000N/100MM

### Aramid yarn:

model:1000DEN

Number:5 branches outside the stainless-steel tube

Tensile strength: Short term:  $\geq$ 500N

Long term:  $\geq$ 200N.

### Jacket:

Material: PE

Color: SM/blue; MM/grey or other

Thickness: 0.50 $\pm$ 0.05 mm

Outer diameter: 3.3 $\pm$ 0.1mm

Minimal Bending radius:  $\geq$ 30D

Cable weight: 16kg/km approx.

Operating temperature: -40 $^{\circ}$ C $\sim$ +80 $^{\circ}$ C

Storage temperature: -40 $^{\circ}$ C $\sim$ +80 $^{\circ}$ C

### Printing

Optical Cable SM or MM 3.3mm Duplex PE XXXXm