

FiberPatrol® FP400 Sensor Cable

F4SP0100/F4SP0101

General Characteristics

- Non-metallic loose-tube fiber cable
- Small diameter and light-weight
- Water-blocking gel-filled buffer tube

Physical Characteristics

- 12 fiber count
- Buffer tube count: 1
- Black UV-resistant HDPE jacket
- Diameter: 7.6 mm (0.3 in)
- Cable weight (approximate): 30 kg/km (20 lb/kft)
- Bend radius:
 - Under load: 152 mm (6.0 in)
 - No load: 76 mm (3.0 in)
- Maximum load: 2000N (450 lb-f)
- Crush resistance: 100 N per 100 mm

Performance Specifications

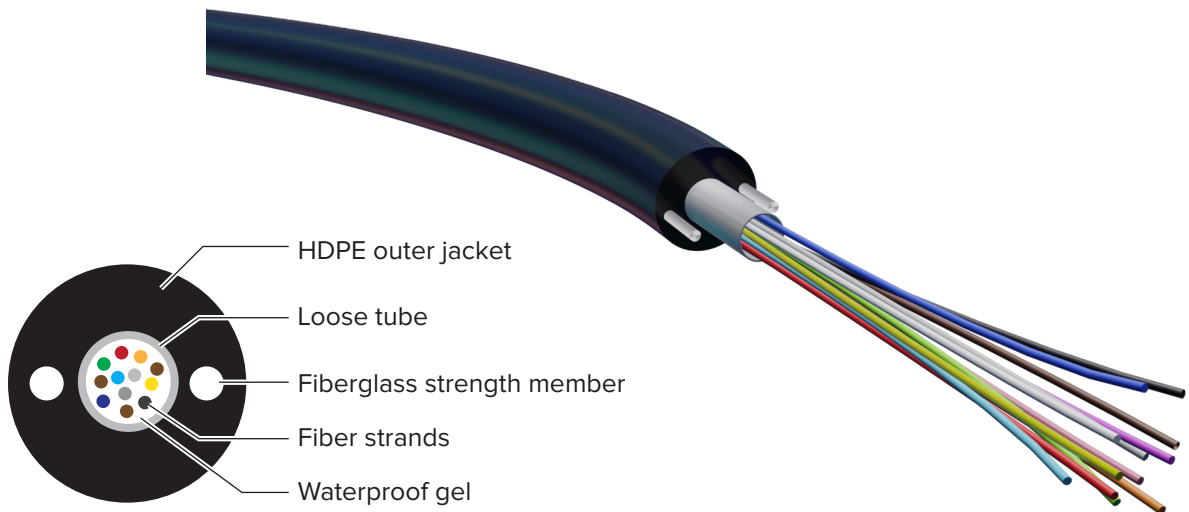
- Fiber type: single-mode (ITU G.652D)
- Attenuation coefficient: ≤ 0.22 dB/km @ 1550 nm

Environmental Specifications

- Temperature:
 - Operating: -40 to $+70$ °C (-40 to $+158$ °F)
 - Storage: -40 to $+70$ °C (-40 to $+158$ °F)
 - Installation: -20 to $+60$ °C (-4 to $+140$ °F)

Orderable Parts

- F4SP0100 – Fiber optic sensor/lead-in cable
250 m (820 ft) reel:
 - Weight: 9 kg (19 lbs)
 - Dimensions (height x diameter): 29 x 29 cm (11.5 x 11.5 in)
- F4SP0101 – Fiber optic sensor/lead-in cable
1000 m (3280 ft) reel:
 - Weight: 31 kg (68 lbs)
 - Dimensions (height x diameter): 42 x 38 cm (16.5 x 14.75 in)



See the FiberPatrol FP400 datasheet for full system description.

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