

FiberPatrol® Sensor Cable

FPSP0424, FPSP0624

General Characteristics

- Dry water-blocked core speeds cable access
- Reverse oscillating stranded core facilitates mid-span access of fibers. Tubes can easily be removed from the core.
- Ripcord speeds cable entry and out jacket removal
- Small Diameter and light weight provides for extended reel and installation lengths
- Proven water-blocking with swellable core elements and gel-filled buffer tubes
- Optional corrugated steel tape armor provides mechanical protection and rodent resistance

Physical Characteristics

- Dielectric, armored, double-armored, dual jacket (depending on model)
- Fiber count: 24
- Buffer tube count: 5
- UV-resistant
- Armored model suitable for direct burial
- Diameter:
 - Non-armored models: 10.1 mm (0.40 in)
 - Armored model: 13.5 mm (0.53 in)
- Cable weight (approximate):
 - Non-armored model: 69 kg/km (46 lb/kft)
 - Armored model: 165 kg/km (111 lb/kft)
- Bend radius (under load):
 - Non-armored models: 20 cm (8 in)
 - Armored model: 27 cm (11 in)
- Bend radius (no load):
 - Non-armored model: 10 cm (4 in)
 - Armored model: 14 cm (5 in)
- Maximum load:
 - Installation: 2670 N (600 lbf)
 - Operation: 800 N (180 lbf)

Performance Specifications

- Fiber type: single-mode (ITU G.652 C & D)
- Attenuation: 0.25 dB/km or less at 1550 nm
- Testing in accordance with TIA 455 series FOTPs for fiber optic cables
- Complies with ICEA 640, RUS 7 CPR 1755, Telcordia CR-20, and IEC 60794-3-11

Environmental Specifications

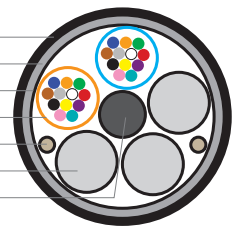
- Temperature:
 - Operating: -40 to +70 °C (-40 to +158 °F)
 - Storage: -40 to +75 °C (-40 to +167 °F)
 - Installation: -30 to +60 °C (-22 to +140 °F)

Orderable Parts

- FPSP0424 – Fiber optic sensor/lead cable for fence applications, 24 fibers. Sold per meter (3.28 ft). Preferred reel lengths to be specified at the time of order.
- FPSP0624 – Fiber optic sensor/lead cable for fence and buried applications, 24 fibers, corrugated steel tape armor, double polyethylene jacket. Sold per meter (3.28 ft). Preferred reel lengths to be specified at the time of order.



MDPE Outer Jacket
 Water Blocking System
 Binder tape
 Gel-Filled Buffer Tubes Containing 12 Fibers (x2)
 Ripcord (x2)
 PE filler unit (x3)
 Central Strength Member



See the FiberPatrol datasheets for full system descriptions.