

FiberPatrol® Sensor Cable

FPSP0xxx

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: 12, 24, 36, or 48 (depending on model)
- Buffer tube count: 5 (all models)
- 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 models: 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 models: 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

- FPSP0412 – Fiber optic sensor/lead cable for fence applications, 12 fibers. Sold per meter (3.28 ft). Preferred reel lengths to be specified at the time of order.
- 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.
- FPSP0436 – Fiber optic sensor/lead cable for fence applications, 36 fibers. Sold per meter (3.28 ft). Preferred reel lengths to be specified at the time of order.
- FPSP0448 – Fiber optic sensor/lead cable for fence applications, 48 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.
- FPSP0648 – Fiber optic sensor/lead cable for fence and buried applications, 48 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 Tape
- MDPE Inner Jacket (Double Jacket Designs Only)
- Central Strength Member
- Outer Strength Members (where applicable)
- Gel-Filled Buffer Tube Containing Up To 12 Fibers
- Ripcord

