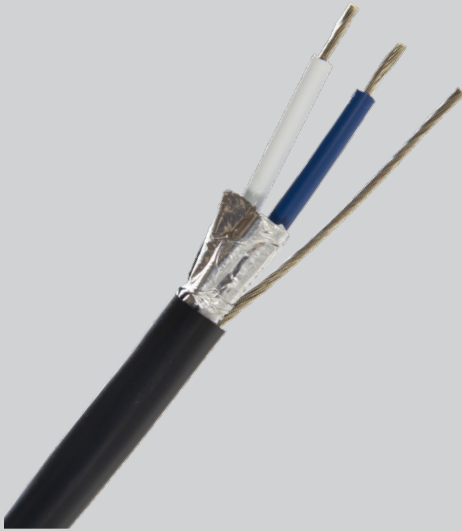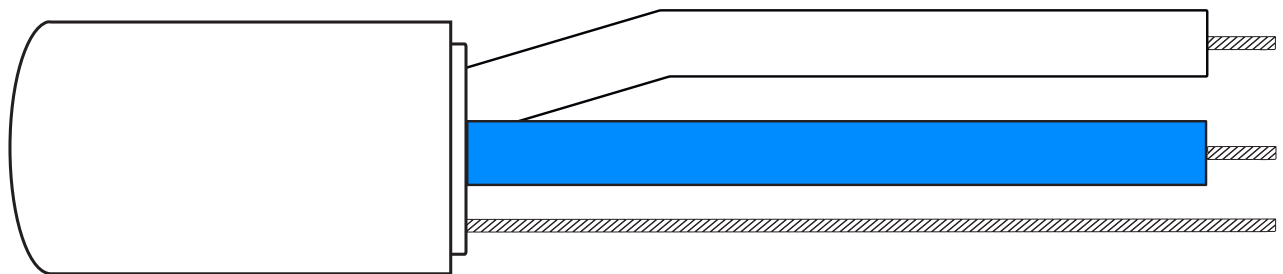## 16 AWG 1-pair cable

The Expanse Link S Cable provides a high-speed, secure, IP-based link between the XP20 sensor and the Arc cabinet interface device. This 600V TC-ER–rated cable is ideal for running in conduit with power cables, and can be bought in bulk and cut to length for easy installation.

- Provides power and IP communications between sensor and cabinet in an Expanse sensor installation
- Conductors are a single twisted pair
- Conductors are shielded with an aluminum/mylar shield, a tinned copper braid and a drain wire
- Conductors are color-coded for quick and easy wiring to terminal blocks
- Can be purchased in bulk: 500', 1000', or 5000' spools
- 600V TC-ER rated: can be run in a tray with power cables

- RoHS-compliant
- UV and oil resistant
- Rated for CSA FT4 flammability

## Expanse Link S Cable technical specifications

**Physical properties**

- Overall diameter: < 0.392 ± 0.04 in. (1 cm ± 0.1 cm)
- Jacket: black PVC
- Wire gauges: 16-AWG stranded (19/29)
- Blue and white
- Cable shielded with aluminum/polyester shield
- Cross-linked polyethylene insulation

**Connections**

- 1 twisted pair
- One tinned copper drain wire

**Power**

- Conductors: twisted pair with nominal DC resistance of < 4.35 ohms/1000 ft.
- 110-ohm characteristic impedance ± 10%
- Shield DC resistance: < 4.3 ohms/1000 ft.
- Voltage rating: 600V RMS

**Communication**

- Capacitance: 15 pF/ft. conductor-to-conductor

**Testing**

- UL type PLTC
- Direct burial
- RoHS-compliant
- UV-resistant
- Flammability rating: CSA FT4 flammability

**Support**

- Extended support options available; contact a Wavetronix representative for more information
- Comprehensive user guide

**Warranty**

- Five-year warranty against material and workmanship defect

## Ordering information

Expanse Link S Cable – 500-ft. spool (152.4 m)
**101-0465**

Expanse Link S cable – 1000-ft. spool (304.8 m)
**101-0464**

Expanse Link S cable – 5000-ft. spool (1524 m)
**101-0463**

### Optional accessories (sold separately)

**101-0467 –** Expanse Link Cable Connector

**102-0555 –** M12-T Cable Junction Box

### Contact us

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