



SmartSensor 6-conductor Cable

Technical Specifications

Cable

- RS-485 conductors: 2 twisted pairs
- RS-485 conductor nominal capacitance, conductor to conductor: less than 40 pF/ft at 1 kHz
- RS-485 conductor nominal conductor DC resistance: less than 16.7 ohms/1000 ft. (304.8 m) at 20°C
- Power conductors: twisted pair with nominal conductor DC resistance of less than 11 ohms/1000 ft. (304.8 m) at 20°C
- Cable assembly shielded with aluminum/polyester shield and tinned copper drain wire
- Jacket: 0.053-in. (1.3-mm) gray PVC
- Cable diameter: 0.41 in. (1.04 cm)
- Wire gauges:
 - Power wires: 20 AWG
 - Comms wires: 22 AWG
- RoHS compliant
- Approvals: UL/cUL Type CMG
- Ambient operating temperature: up to 221°F (105°C) dry / 167°F (75°C) wet
- Flammability rating: FT4
- UV resistant: Yes (per UL 720 Hour Sunlight Resistance Test)

Connector

- Meets MIL-C-26482 specification
- Backshell is environmentally sealed
- Backshell offers excellent immersion capability
- All conductors that interface with the connector are encased in a single jacket
- Backshell has a strain relief with enough strength to support the cable slack under extreme weather conditions

A 20' pre-terminated cable will be supplied to run from the sensor to a junction box supplied to be mounted on the pole next to the sensor.
Bulk cable will be supplied to run from the junction box mounted near the sensor on the pole to the controller cabinet.

Ordering Information

Part Number – **WX-SS-704-xxx**

with connectors—xxx indicates cable length

WX-SS-705

bulk spool—minimum 1000 ft. (304.8 m)

-020 20'

Pre-terminated Cable

Supplied

Bulk cable supplied to run from Sensor Junction box to Controller Cabinet

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