Description

This digital radar sensor composite cable allows power and serial communication signals to be passed to a digital radar traffic sensor using a single multi-conductor cable. The use of separate cables to carry these signals can be costly and is often cumbersome for installers when pulling cable through conduit. By combining all of the cables required for most digital radar traffic sensor installations into a single composite cable, we are able to offer a cost effective solution that makes it simple to stock, transport, and install the cable for your next project.

Features and Benefits

- Flexible UV-resistant outer jacket is durable, yet easy to work with
- Low capacitance twisted data pairs allow error free communication with digital radar sensors
- 18 AWG power wires are ideal for providing power to sensors with minimal voltage drop
- Overall tape shield protects data signals from outside interference when properly grounded through the single common drain wire
- UL listed

Technical Specifications

Overall Outer Jacket:
- Nom. Outer Diameter: 0.395”
- Material: UV-resistant Black PVC
- Nom. Jacket Thickness: 0.053”

Data Cables:
- Number of Sets: 2
- Conductors per Set: 2
- Set 1 Insulation Colors: Blue, White-Blue
- Set 2 Insulation Colors: Orange, White-Orange
- Conductor Size & Type: 22 AWG, 7/30 TC
- Jacket Type & Thickness: PVC, 0.016”
- Nominal DC Resistance: 14.8 Ω/MFT DCR @ 20°C
- Nominal Capacitance: 28.2 pF/ft

Power Cable:
- Number of Conductors: 2
- Insulation Colors: Black, Red
- Conductor Size & Type: 18 AWG, 16/30 TC
- Jacket Type & Thickness: PVC, 0.016”
- Nominal DC Resistance: 6.48 Ω/MFT DCR @ 20°C
- Nominal Capacitance: 33.9 pF/ft

Drain:
- Conductor Size & Type: 22 AWG, 7/30 TC

Overall Tape Shield:
- Material: Aluminum/Polyester tape
- Construction: Foil facing in, contacting drain wire