

Digital Radar Sensor Composite Cable



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

Corporate Headquarters

199 Evans Way
Branchburg, NJ 08876-4600
Ph: 908-231-1133
Fax: 908-707-0333

Visit us on the web at

www.signalcontrol.com

© 2012 Signal Control Products, Inc. All rights reserved. Signal Control Products, Inc. reserves the right to change or update these specifications at any time without prior notification.

Rev. 7-27-12

Pennsylvania Branch Office

737 Hagey Center Drive, Unit B1
Souderton, PA 18964
Ph: 215-721-2210
Fax: 215-721-2240