

## SAE J1939-11

### CAN Bus Data Cables

-40°C to 125°C

#### Features

Impedance 108-132 Ω at 1 MHz  
 Insulation: XLPO 125°C, 125°C TPU  
 Resistance: 50 mΩ/m maximum @ 20°C  
 Line delay: 5.0 ns/m nominal  
 Capacitance: 75 pF/m maximum, between conductors  
 Capacitance: 110 pF/m maximum, conductor to shield  
 Shielded effectiveness: 225mΩ /m maximum  
 Shielded twisted pair  
 Physical layer, 250k bits/sec.  
 Abrasion and cut resistant, waterproof 125°C TPU jacket  
 Excellent oil and chemical resistance

#### Product Design Options

Custom strand constructions  
 Custom diameter to meet design criteria  
 Various colors for base and stripe combinations  
 Packaging options: reels, drums, returnable containers  
 Available with or without filler  
 Insulation option: 150°C

#### Compliances

RoHS compliant  
 SAE J1939-11 Physical media  
 SAE J1128 performance  
 (fluid, flame propagation)

#### Applications

Electrical connection of a number of ECU's  
 (Electronic Control Units) to network.

Part Number	AWG Size	Number of Strands	Strand Size (ga)	Nom Cond OD (in)	Filler	Nom OD (in)	Impedance	Capacitance	Approx. Net Weight (lbs/mft)	Approx. Cu (lbs/mft)	Shielded	Drain wire
150590	20	19	33	0.035	Yes	0.330	120 ± 10% Ω @ 1 MHz	75 pF/m @ 1MHz (between conductors) 110 pF/m @ 1MHz (conductors to shielded)	31	9	Yes	20ga. 10x30T
150661	18	19	31	0.035	Yes	0.350	120 ± 10% Ω @ 1 MHz	76 pF/m @ 1MHz (between conductors) 110 pF/m @ 1MHz (conductors to shielded)	25	6	yes	20ga. 10x30T

#### **Customer Service Group**

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