

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.

AWG Size	Number of Strands	Strand Size (ga)	Nom Cond OD (in)	Filler	Nom OD (in)	Min Wall (in)	Impedance	Capacitance	Approx. Net Weight (lbs/mft)	Approx. Cu (lbs/mft)	Shielded	Drain wire
20	19	33	0.035	Yes	0.335	0.023	120 ± 10% Ω @ 1 MHz	75 pF/m @ 1MHz (between conductors) 110 pF/m @ 1MHz (conductors to shielded)	31	9	Yes	20ga. 10x30T
18	19	31	0.035	Yes	0.360	0.023	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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