

SAE J1939-15

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 m Ω /m maximum @ 20°C
 Line delay: 5.0 ns/m nominal
 Capacitance 75 pF/m maximum
 Un-shielded twisted pair
 Reduced 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 fillers
 Insulation option: 150°C

Compliances

RoHS compliant
 SAE J1939-15 Physical media
 SAE J1128 performance
 (fluid, flame propagation)

Applications

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

Part #	AWG Size	Number of Strands	Strand Size (in)	Nom Cond OD (in)	Filler	Nom OD (in)	Min Wall (in)	Impedance	Capacitance	Approx. Net Weight (lbs/mft)	Approx. Cu (lbs/mft)
149816	18	19	0.0092	0.045	No	0.252	0.015	120 \pm 10% Ω @ 1 MHz	56 pF/m @ 1MHz	31	10
149821	18	19	0.0092	0.045	Yes	0.254	0.014	120 \pm 10% Ω @ 1 MHz	48 pF/m @ 1MHz	32	10
149807	20	19	0.00708	0.035	No	0.228	0.029	120 \pm 10% Ω @ 1 MHz	57 pF/m @ 1MHz	26	7
149812	20	19	0.00708	0.035	Yes	0.235	0.028	120 \pm 10% Ω @ 1 MHz	50 pF/m @ 1MHz	26	7

Customer Service Group

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