

**Cable Type**

Part Number

Conductors

No. of Pairs

Total No. of Connectors

AWG

Metric

Stranding

Conductor Material

Insulation

Material

Nom. Wall Thickness

Inner Conductor Diam.

Cable Construction

Fillers

Inner Conductor Colors

Separator

Outer Shield

Shield Material

Shield Type

% Coverage

Shield Drain Wire

AWG

Stranding

Conductor Material

Outer Jacket

Material

Color

Nom. Wall Thickness

Mechanical**DataCELL J1939 TF**

FJ1939202-001

2+Drain

1 Twisted Pair

3

20

19x32

Bare Copper

Cellular Cross-Linked Polyethylene

0.038" Nominal

.113 ± 0.003"

Olefin Rods

Gn, Ye

Al-Mylar Shield

Al-Mylar-Al

Foil

100%

Drain Outside Shield

20

19x32"

Bare Copper

Thermoplastic Rubber

Black

0.035" Nominal

Overall Outer Diameter	0.315 ± 0.005"
	8.00 mm
Operating Temperature Range	-40°C ... 125°C
Weight Per 1000 ft.	
Min. Installed Bending Radius	Minimum 4 x Cable Diameter

Electrical

Specific Line Delay	Vp 75% 4.8 nS/M
Characteristic Impedance	120 Ohms @ 1MHz
Nom. Capacitance Conductor to Conductor	11.7 pF/Ft. Nominal 38.4 pF/M Nominal
Nom. Capacitance Conductor to Other Conductor and Shield	24.4 pF/Ft. Nominal 80 pF/M Nominal
Specific Conductor DC Resistance m Ohms/M @ 20° C	34.5
Specific Outer Shield DC Resistance m Ohms/M @ 20° C	30
Max Operating Voltage – UL	300

Applicable Standards and Agency Compliance

SAE	J-1939/11
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Environmental and Use

Sunlight Resistance (Yes/No)	Yes
Plenum/Non-Plenum	
Available Put-Ups	Consult Factory
(State +/- Lengths)	

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