SAE J1939/11 & /15 Data Bus Cables

PRODUCT FACTS
SAE - J1939 compliant
Very flexible
Small size
Excellent mechanical and environmental resistance
125°C rated
Cross linked non melting insulation
Easily Processed

DESCRIPTION
Raychem offers a broad range of cables to meet the requirements of slash sheets 11 and 15 to the SAE J1939 base specification.

The cables consist of a twisted pair with or without an aluminum foil shielding and a robust cross linked proprietary outer jacket for mechanical and chemical protection. Cross linking imparts a non melting characteristic to the insulation material, which is ideal in case of accidental contact with very hot surfaces. The cables are supplied in both bare copper and tin plate copper conductors.

The cables are primarily used to network trucks, buses, fire engines, military vehicles and earth moving equipment. Raychem J1939 cables are some of the smallest and most flexible available with an impressive history and track record in the field.

APPLICATIONS

<table>
<thead>
<tr>
<th>Databus networks:</th>
<th>Trucks</th>
<th>Heavy equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RV's</td>
<td>Fire engines</td>
</tr>
<tr>
<td></td>
<td>Buses</td>
<td>Military vehicles</td>
</tr>
</tbody>
</table>

MATERIALS

<table>
<thead>
<tr>
<th>Bare copper or tin plated conductors</th>
<th>Aluminum foil shields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rayolin FS dielectric material</td>
<td>Thermorad F jacket</td>
</tr>
</tbody>
</table>

ELECTRICALS - SHIELDED CABLES

<table>
<thead>
<tr>
<th>Characteristic Impedance:</th>
<th>120 Ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacitance:</td>
<td>10.5 pf/ft nominal</td>
</tr>
<tr>
<td>Specific line delay:</td>
<td>75% nominal</td>
</tr>
</tbody>
</table>

FOR MORE INFORMATION

Technical Support
Internet: www.tycelectronics.com
E-mail: newproducts@tycelectronics.com
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-555-5-792-0425
South America: 55-11-3611-1514
Japan: 81-44-900-5102
Singapore: 65-4866-151
UK: 44-1793-528171
SAE J1939/11 & /15
Data Bus Cables

STANDARDS & SPECS
Raychem Wire & Cable Spec 1200

SAE-J1939/11 and SAE-J1939/15

PRODUCT OFFERING

Standard constructions

SAE J1939/11
2021D0309-0 (shown at right)
2018E0309-0
SAE J1939/15
2019E0309-0
2018D0309-0

Inner components: Green, Yellow
Jacket: Black

PART NUMBERING SYSTEM

20 21 D 0 3 0 9 - 0

Jacket color
0=Black

Conductor type
1=Tin coated copper
9=bare copper

Dielectric
0=Rayfoil FS

Jacket
3=Thermorad

Construction
0=Other

Variation
Letter assigned by Raychem.
(This is not a revision indicator)

Conductor size (AWG)
Always two digits

Impedance
Always two digits
(if 100 ohms or higher,
use last two digits only)