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**WORLD CLASS**  
WIRE & CABLE, INC.

## *J-1939 Automotive Data and Communication Cable*

### **Irradiated Cross-linked Polyolefin Controlled Impedance Data-bus Cable**

| WCWC P/N  | AWG Size   | Number of Conductors | Conductor Stranding | Wall Nominal Insulation | Jacket Thickness | Nominal Diameter | Approx. Lbs./Mft. |
|---|------------|----------------------|---------------------|-------------------------|------------------|------------------|-------------------|
| <b>Unshielded - Single Jacket, Black (20AWG: -40C to 125C, 18AWG: -40C to 150C) (J-1939/15)</b>                         |            |                      |                     |                         |                  |                  |                   |
| 1939/2002BLK  | 20         | 2                    | 7/28 Bare           | 0.022                   | 0.03             | 0.209            | 20                |
| 1939/1802BLK  | 18         | 2                    | 19/.23mm Bare       | .025                    | .030             | 0.252            | 22                |
| <b>Shielded - Aluminum/Polyester with Tin Plated Copper Drain Wire, Double Jacket, Black (-40C to 150C) (J-1939/11)</b> |            |                      |                     |                         |                  |                  |                   |
| 1939/2002SHBLK  | 20 (.5mm2) | 2                    | 19/.18mm Bare       | 0.03                    | 0.03             | 0.335            | 51                |
| 1939/1802SHBLK  | 18         | 2                    | 19/.23mm Bare       | 0.04                    | 0.03             | 0.4              | 61                |

### **Irradiated Cross-linked Foam Polyolefin Controlled Impedance Data-bus Cable (-40C to 125C) (J-1939/11)**

#### **Shielded - Aluminum/Polyester with Tin Plated Copper Drain Wire, Single Jacket, Black**

|                 |            |   |               |       |      |       |    |
|-----------------|------------|---|---------------|-------|------|-------|----|
| 1939/2002SHBLK1 | 20 (.5mm2) | 2 | 19/.18mm Bare | 0.036 | 0.03 | 0.291 | 38 |
| 1939/1802SHBLK1 | 18         | 2 | 19/.23mm Bare | 0.046 | 0.03 | 0.352 | 45 |

### **Foam Polyethylene/PVC Controlled Impedance Data-bus Cable**

#### **(90C/105C) (Similar to J-1939/11 - Shielded, Low-Temp Version)**

#### **Shielded - Aluminum/Polyester with Tin Plated Copper Drain Wire, Grey Jacket**

|                   |    |   |           |       |       |       |    |
|-------------------|----|---|-----------|-------|-------|-------|----|
| 1939/2002SHGRYPVC | 20 | 2 | 7/28 Bare | 0.032 | 0.022 | 0.243 | 28 |
|-------------------|----|---|-----------|-------|-------|-------|----|

- Color code green, yellow
- Can be used in electronic truck and bus, with drive train, safety and trailer functions.
- This cable supports the multiplexing network protocol while meeting all physical and mechanical requirements.
- This cable retains its controlled impedance characteristics even after bending and routing. It maintains an environmental seal even with standard connectors.
- The 150C & 125C versions of this cable are extremely resistant to the harsh chemicals and fluids in the power train and can be routed close to hot spots in the engine.
- This cable is designed for maximum protection against interference and can go anywhere in the trunk without fear of EMI & RFI.

### **Corporate Headquarters & Main Warehouse**

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