

# MIL-DTL-24643

## /28, 39 & 40

Types: LS1S50MU, LS1S50MUS, LS1SWU, LS1S75MU, LS1SMU

Low Smoke Multi-Coaxial Cables for Shipboard,  
Electronics, Communications and Instrumentation



### APPLICATION

MIL-DTL-24643 Slant Sheets 28, 30, 39 & 40. These cables are manufactured with irradiation cross-linked polyolefin dielectrics. They are configured with multiple coaxes cabled together. The overall jacket is an irradiation cross-linked modified low smoke zero halogen polyolefin.

### PLEASE NOTE

\* "S" at the end of the part number indicates that the cable has a double overall shield. The shields are constructed to provide 60 db shielding from dc to 100 MHz.

### CONDUCTOR

22AWG (7/30).

### INSULATION

Irradiation XL low smoke polyolefin.

### JACKET

Irradiation XL modified low smoke zero halogen polyolefin.

| Cable Type | Size | Slant Sheet | MIL Part Number | Conductor |           | Shield | Product Description                                |
|------------|------|-------------|-----------------|-----------|-----------|--------|----------------------------------------------------|
|            |      |             |                 | AWG       | Stranding |        |                                                    |
| LS1S50MU   | 16   | 28          | -01UN           | 22        | 7         | N      | 50 Ohms; 16 coaxes, overall jacket.                |
|            | 20   |             | -02UN           |           |           |        | 50 Ohms; 20 coaxes, overall jacket.                |
|            | 40   |             | -03UN           |           |           |        | 50 Ohms; 40 coaxes, overall jacket.                |
|            | 70   |             | -04UN           |           |           |        | 50 Ohms; 70 coaxes, overall jacket.                |
| LS1S50MUS* | 16   | 28          | -01UD           | 22        | 7         | Y      | 50 Ohms; 16 coaxes, overall double shield, jacket. |
|            | 20   |             | -02UD           |           |           |        | 50 Ohms; 20 coaxes, overall double shield, jacket. |
|            | 40   |             | -03UD           |           |           |        | 50 Ohms; 40 coaxes, overall double shield, jacket. |
|            | 70   |             | -04UD           |           |           |        | 50 Ohms; 70 coaxes, overall double shield, jacket. |
| LS1S75MU   | 8    | 39          | -01UN           | 22        | 7         | N      | 75 Ohms; 8 coaxes, overall jacket.                 |
| LS1SMU     | 5    | 40          | -01UN           | 22        | 7         | N      | 50 Ohms; 5 coaxes, overall jacket.                 |

The above part numbers represent the more popular constructions. However, other designs are available upon request. All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

