

## D-F1S-STF LSI 155 / LSI 155

600V  
-65°C/+150°C

## Shielded signal cable

|                      |                              |
|----------------------|------------------------------|
| Voltage              | 0.6/1kV AC U <sub>0</sub> /U |
| Test voltage         | 5kV AC                       |
| Flame retardant      |                              |
| Low smoke generation |                              |
| •                    | Def Stan 61-12 Part 33/001   |

\* Sizes 24 AWG and 26 AWG use Silver Plated High Strength Alloy (HSA), designated 'D-F1P'

## Construction

|             |                                                                                                                                    |            |         |
|-------------|------------------------------------------------------------------------------------------------------------------------------------|------------|---------|
| Conductor   | Silver Plated Copper (SPC) *                                                                                                       | Insulation | LSI 155 |
| Shield(s)   | Braid of Silver Plated Copper (S)                                                                                                  | Sheath     | LSI 155 |
| Core colour | 1 Rd 2 Bl 3 Yw 4 Gn                                                                                                                | Sheath     | White   |
| Marking     | To Def Stan 61-12 Part 33/001, includes country (DE/SE) and manufacturer's reference (HC)<br>e.g.: DSP33/001-1P-001-1SJ-9-DE-HC-12 |            |         |

## Application

LSI 155 is a thin wall insulation and jacket material intended for applications up to 150°C (although it can be rated to +200°C for a duration of 10,000 hours). Designed primarily for use in the military and aviation industries, cores and cables are fully approved to Defence Standard 61-12 Part 33/001.

| Description     | Construction      |                |                 |             |               |                   |                   | Electrical          | NSN      | Article Number |
|-----------------|-------------------|----------------|-----------------|-------------|---------------|-------------------|-------------------|---------------------|----------|----------------|
|                 | no. / size<br>AWG | conductor<br>Ø | insulation<br>Ø | cabled<br>Ø | shield/s<br>Ø | sheath/s<br>max Ø | weight<br>max g/m | amps at<br>40°C max | 6145-99- |                |
| D-F1S 001 STF 1 | 1x 26             | 0.48           | 0.78            | -           | 1.23          | 1.58              | 6.05              | 6.7                 | 038-4154 | 61903-841-54   |
| D-F1S 002 STF 1 | 1x 24             | 0.60           | 0.87            | -           | 1.32          | 1.69              | 7.02              | 9.0                 | 038-4155 | 61903-841-55   |
| D-F1S 004 STF 1 | 1x 22             | 0.75           | 1.04            | -           | 1.49          | 1.87              | 8.94              | 12.1                | 038-4156 | 61903-841-56   |
| D-F1S 006 STF 1 | 1x 20             | 0.99           | 1.28            | -           | 1.73          | 2.11              | 12.31             | 16.8                | 038-4157 | 61903-841-57   |
| D-F1S 010 STF 1 | 1x 18             | 1.25           | 1.53            | -           | 1.98          | 2.37              | 16.40             | 22.9                | 038-4158 | 61903-841-58   |
| D-F1S 012 STF 1 | 1x 16             | 1.37           | 1.68            | -           | 2.13          | 2.61              | 21.12             | 27.1                | 038-4159 | 61903-841-59   |
| D-F1S 020 STF 1 | 1x 14             | 1.75           | 2.05            | -           | 2.50          | 2.90              | 26.76             | 37.0                | 038-4160 | 61903-841-60   |
| D-F1S 030 STF 1 | 1x 12             | 2.20           | 2.50            | -           | 2.95          | 3.39              | 38.50             | 50.2                | 038-4161 | 61903-841-61   |
| D-F1S 001 STF 2 | 2x 26             | 0.48           | 0.78            | 1.56        | 2.01          | 2.41              | 10.43             | 6.3                 | 038-4162 | 61903-841-62   |
| D-F1S 002 STF 2 | 2x 24             | 0.60           | 0.87            | 1.82        | 2.19          | 2.62              | 12.68             | 8.5                 | 038-4163 | 61903-841-63   |
| D-F1S 004 STF 2 | 2x 22             | 0.75           | 1.04            | 2.16        | 2.53          | 2.98              | 16.50             | 11.5                | 038-4164 | 61903-841-64   |
| D-F1S 006 STF 2 | 2x 20             | 0.99           | 1.28            | 2.70        | 3.01          | 3.50              | 23.35             | 15.9                | 038-4165 | 61903-841-65   |
| D-F1S 010 STF 2 | 2x 18             | 1.25           | 1.53            | 3.18        | 3.51          | 4.02              | 31.62             | 21.7                | 038-4166 | 61903-841-66   |
| D-F1S 012 STF 2 | 2x 16             | 1.37           | 1.68            | 3.64        | 3.81          | 4.50              | 41.18             | 25.7                | 038-4167 | 61903-841-67   |
| D-F1S 020 STF 2 | 2x 14             | 1.75           | 2.05            | 4.08        | 4.55          | 5.09              | 52.76             | 35.1                | 038-4168 | 61903-841-68   |
| D-F1S 030 STF 2 | 2x 12             | 2.20           | 2.50            | 5.08        | 5.45          | 6.04              | 76.51             | 47.7                | 038-4169 | 61903-841-69   |
| D-F1S 001 STF 3 | 3x 26             | 0.48           | 0.78            | 1.68        | 2.13          | 2.63              | 14.16             | 5.9                 | 038-4170 | 61903-841-70   |
| D-F1S 002 STF 3 | 3x 24             | 0.60           | 0.87            | 1.96        | 2.32          | 2.79              | 16.92             | 7.9                 | 038-4171 | 61903-841-71   |
| D-F1S 004 STF 3 | 3x 22             | 0.75           | 1.04            | 2.32        | 2.69          | 3.21              | 22.56             | 10.7                | 038-4172 | 61903-841-72   |
| D-F1S 006 STF 3 | 3x 20             | 0.99           | 1.28            | 2.91        | 3.20          | 3.74              | 32.08             | 14.8                | 038-4173 | 61903-841-73   |
| D-F1S 010 STF 3 | 3x 18             | 1.25           | 1.53            | 3.42        | 3.74          | 4.30              | 44.03             | 20.1                | 038-4174 | 61903-841-74   |
| D-F1S 012 STF 3 | 3x 16             | 1.37           | 1.68            | 3.92        | 4.07          | 4.84              | 58.32             | 23.8                | 038-4175 | 61903-841-75   |
| D-F1S 020 STF 3 | 3x 14             | 1.75           | 2.05            | 4.39        | 4.86          | 5.46              | 74.89             | 32.5                | 038-4176 | 61903-841-76   |
| D-F1S 030 STF 3 | 3x 12             | 2.20           | 2.50            | 5.47        | 5.83          | 6.45              | 109.33            | 44.2                | 038-4177 | 61903-841-77   |
| D-F1S 001 STF 4 | 4x 26             | 0.48           | 0.78            | 1.88        | 2.33          | 2.83              | 17.38             | 5.3                 | 038-4178 | 61903-841-78   |
| D-F1S 002 STF 4 | 4x 24             | 0.60           | 0.87            | 2.20        | 2.55          | 3.08              | 21.44             | 7.2                 | 038-4179 | 61903-841-79   |
| D-F1S 004 STF 4 | 4x 22             | 0.75           | 1.04            | 2.60        | 2.96          | 3.51              | 28.46             | 9.7                 | 038-4180 | 61903-841-80   |
| D-F1S 006 STF 4 | 4x 20             | 0.99           | 1.28            | 3.26        | 3.54          | 4.10              | 40.85             | 13.4                | 038-4181 | 61903-841-81   |
| D-F1S 010 STF 4 | 4x 18             | 1.25           | 1.53            | 3.84        | 4.14          | 4.75              | 56.84             | 18.3                | 038-4182 | 61903-841-82   |
| D-F1S 012 STF 4 | 4x 16             | 1.37           | 1.68            | 4.39        | 4.50          | 5.33              | 75.17             | 21.7                | 038-4183 | 61903-841-83   |
| D-F1S 020 STF 4 | 4x 14             | 1.75           | 2.05            | 4.92        | 5.39          | 6.04              | 97.36             | 29.6                | 038-4184 | 61903-841-84   |
| D-F1S 030 STF 4 | 4x 12             | 2.20           | 2.50            | 6.13        | 6.63          | 7.18              | 143.29            | 40.2                | 038-4185 | 61903-841-85   |

