

# D-F2P, D-F2S and D-F2T

LSI 155 Def Stan 61-12 Part 33/001

600V AC

-65°C / ≤+150°C

## Construction

|             |                |                                                                                           |             |           |              |              |              |            |                                |            |             |            |             |
|-------------|----------------|-------------------------------------------------------------------------------------------|-------------|-----------|--------------|--------------|--------------|------------|--------------------------------|------------|-------------|------------|-------------|
| Wire        | D-F2P          | Silver Plated High Strength Alloy (HSA)                                                   |             |           | Insulation   | LSI 155      | Voltage      |            | 600/1000V AC U <sub>0</sub> /U |            |             |            |             |
|             | D-F2S<br>D-F2T |                                                                                           |             |           |              |              | Test voltage |            | 5000V AC                       |            |             |            |             |
| Colour (cc) |                | 00<br>Black                                                                               | 11<br>Brown | 22<br>Red | 33<br>Orange | 44<br>Yellow | 55<br>Green  | 66<br>Blue | 77<br>Violet                   | 88<br>Grey | 99<br>White | 29<br>Pink | 89<br>Clear |
| Marking     |                | To Def Stan 61-12 Part 33/001, includes country (DE/SE) and manufacturer's reference (HC) |             |           |              |              |              |            |                                |            |             |            |             |
|             |                | e.g. DSP33/001-2P-001-1U-9-DE-HC-16                                                       |             |           |              |              |              |            |                                |            |             |            |             |

| Description | Size |                        | Conductor     |                    |           | Finished Core |              |               | Electrical | Article Number |
|-------------|------|------------------------|---------------|--------------------|-----------|---------------|--------------|---------------|------------|----------------|
|             | AWG  | CSA<br>mm <sup>2</sup> | stranding     | resistance<br>Ω/km | wire<br>Ø | core<br>Ø     | tolerance    | weight<br>g/m |            |                |
| D-F2P 001   | 26   | 0.15                   | 19 x 0.100    | 160.00             | 0.48      | 0.88          | +0.02 - 0.04 | 2.10          | 6          | 461cc2619      |
| D-F2P 002   | 24   | 0.25                   | 19 x 0.120    | 114.00             | 0.57      | 0.97          | +0.02 - 0.06 | 2.82          | 8          | 461cc2419      |
| D-F2T 004   | 22   | 0.35                   | 19 x 0.150    | 55.30              | 0.71      | 1.15          | +0.02 - 0.06 | 4.10          | 11         | 461cc2219      |
| D-F2T 006   | 20   | 0.60                   | 19 x 0.200    | 31.00              | 0.96      | 1.36          | +0.03 - 0.03 | 6.95          | 15         | 461cc2019      |
| D-F2T 010   | 18   | 0.95                   | 19 x 0.250    | 19.60              | 1.21      | 1.65          | +0.02 - 0.07 | 9.80          | 21         | 461cc1819      |
| D-F2T 012   | 16   | 1.25                   | 19 x 0.290    | 14.90              | 1.36      | 1.80          | +0.13 - 0.09 | 12.99         | 25         | 461cc1619      |
| D-F2T 020   | 14   | 1.80                   | 37 x 0.250    | 10.20              | 1.73      | 2.17          | +0.03 - 0.05 | 18.68         | 34         | 461cc1437      |
| D-F2T 030   | 12   | 3.00                   | 37 x 0.320    | 6.40               | 2.20      | 2.64          | +0.03 - 0.10 | 28.62         | 46         | 461cc1237      |
| D-F2T 050   | 10   | 5.00                   | 37 x 0.400    | 4.20               | 2.80      | 3.30          | +0.15 - 0.10 | 48.80         | 64         | 461cc1037      |
| D-F2T 090   | 8    | 9.00                   | 133 x 0.290   | 2.28               | 4.39      | 4.90          | +0.20 - 0.10 | 89.74         | 102        | 461cc8133      |
| D-F2T 140   | 6    | 14.00                  | 133 x 0.360   | 1.43               | 5.51      | 6.03          | +0.22 - 0.13 | 140.60        | 140        | 461cc6133      |
| D-F2T 220   | 4    | 22.00                  | 133 x 0.460   | 0.90               | 6.96      | 7.70          | +0.25 - 0.15 | 223.30        | 193        | 461cc4133      |
| D-F2T 340   | 2    | 34.00                  | 655 x 0.260   | 0.58               | 8.64      | 10.00         | +0.30 - 0.20 | 370.50        | 266        | 461cc2665      |
| D-F2T 530   | 1/0  | 53.00                  | 1,045 x 0.260 | 0.37               | 10.80     | 12.80         | +0.40 - 0.60 | 570.00        | 360        | 461cc1000      |
| D-F2T 680   | 2/0  | 68.00                  | 1,330 x 0.260 | 0.29               | 12.07     | 14.20         | +0.30 - 0.40 | 744.10        | 422        | 461cc2000      |
| D-F2S 004   | 22   | 0.35                   | 19 x 0.150    | 55.30              | 0.71      | 1.15          | +0.02 - 0.06 | 4.10          | 12         | 463cc2219      |
| D-F2S 006   | 20   | 0.60                   | 19 x 0.200    | 31.00              | 0.96      | 1.36          | +0.03 - 0.03 | 6.95          | 16         | 463cc2019      |
| D-F2S 010   | 18   | 0.95                   | 19 x 0.250    | 19.60              | 1.21      | 1.65          | +0.02 - 0.07 | 9.80          | 22         | 463cc1819      |
| D-F2S 012   | 16   | 1.25                   | 19 x 0.290    | 14.90              | 1.36      | 1.80          | +0.13 - 0.09 | 12.99         | 27         | 463cc1619      |
| D-F2S 020   | 14   | 1.80                   | 37 x 0.250    | 10.20              | 1.73      | 2.17          | +0.03 - 0.05 | 18.68         | 37         | 463cc1437      |
| D-F2S 030   | 12   | 3.00                   | 37 x 0.320    | 6.40               | 2.20      | 2.64          | +0.03 - 0.10 | 28.62         | 50         | 463cc1237      |
| D-F2S 050   | 10   | 5.00                   | 37 x 0.400    | 4.20               | 2.80      | 3.30          | +0.15 - 0.10 | 48.80         | 69         | 463cc1037      |
| D-F2S 090   | 8    | 9.00                   | 133 x 0.290   | 2.28               | 4.39      | 4.90          | +0.20 - 0.10 | 89.74         | 109        | 463cc8133      |
| D-F2S 140   | 6    | 14.00                  | 133 x 0.360   | 1.43               | 5.51      | 6.03          | +0.22 - 0.13 | 140.60        | 150        | 463cc6133      |
| D-F2S 220   | 4    | 22.00                  | 133 x 0.460   | 0.90               | 6.96      | 7.70          | +0.25 - 0.15 | 223.30        | 207        | 463cc6133      |
| D-F2S 340   | 2    | 34.00                  | 655 x 0.260   | 0.58               | 8.64      | 10.00         | +0.30 - 0.20 | 370.50        | 286        | 463cc2665      |
| D-F2S 530   | 1/0  | 53.00                  | 1,045 x 0.260 | 0.37               | 10.80     | 12.80         | +0.40 - 0.60 | 570.00        | 385        | 463cc1000      |
| D-F2S 680   | 2/0  | 68.00                  | 1,330 x 0.260 | 0.29               | 12.07     | 14.20         | +0.30 - 0.40 | 744.10        | 562        | 463cc2000      |



## Application

Designed for the military aerospace industry, LSI 155 is fully approved to the UK Defence Standard: 61-12 Part 33/001.

- Temperature range: D-F2P and D-F2T = -65 / +135°C  
D-F2S = -65 / +150°C
- Flame retardant: IEC 60332-1, IEC 60332-3-24
- Low smoke generation: IEC 61034-2
- Radiation tolerant: 10<sup>5</sup> Gy
- RoHS compliant