

# 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                                                                                     |                                         |           |              |              |             | Silver Plated Copper (SPC) |              |                                | Test voltage |            | 5000V AC    |
|             | D-F2T                                                                                     | Tin Plated Copper (TPC)                 |           |              |              |             |                            |              |                                |              |            |             |
| 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   | stranding     | resistance | wire  | core          | tolerance | weight | amps at<br>40°C |            |                |
|             |      | mm²   |               | Ω/km       | Ø     | Ø             |           | 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