

## D-D HFI 140

600V  
-30°C/+120°C

## Single core

|                          |                           |
|--------------------------|---------------------------|
| Voltage                  | 0.6/1kV U <sub>0</sub> /U |
| Test voltage             | 3kV DC                    |
| Flame retardant          |                           |
| Halogen free             |                           |
| Low smoke generation     |                           |
| • Def Stan 61-12 Part 18 |                           |

## Construction

|             |                                                                          |            |                   |
|-------------|--------------------------------------------------------------------------|------------|-------------------|
| Conductor   | Tin Plated Copper (TPC)                                                  | Insulation | Dual wall HFI 140 |
| Colour 'cc' | 00 Bk 11 Br 22 Rd 33 Or 44 Yw 55 Gn 66 Bl 77 Vi 88 Gr 99 Wh 29 Pk 89 Nat |            |                   |

## Application

Designed for use in the Seaguard product range as a Def Stan 61-12 Part 18 approved wire, HFI 140 has since found use in applications including Habiatron and Railguard due to its excellent LSZH, FR and Rad Tol properties. D- items are fully released to the Def Stan while H- items are designed by Habia Cable.

| Description | Size |                        | Conductor  |                    |           | Finished Wire |             |               | 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-D 3001    | 30   | 0.05                   | 1 x 0.250  | 383.50             | 0.25      | 0.65          | +0.05 -0.10 | 0.9           | 3          | 430cc3001      |
| D-D 3007    | 30   | 0.06                   | 7 x 0.100  | 336.00             | 0.30      | 0.70          | +0.05 -0.10 | 1.1           | 3          | 430cc3007      |
| D-D 2807    | 28   | 0.09                   | 7 x 0.120  | 259.00             | 0.38      | 0.78          | +0.05 -0.10 | 1.5           | 4          | 430cc2807      |
| D-D 2601    | 26   | 0.12                   | 1 x 0.400  | 145.60             | 0.40      | 0.80          | +0.05 -0.10 | 2.0           | 5          | 430cc2601      |
| D-D 2619    | 26   | 0.15                   | 19 x 0.100 | 141.50             | 0.48      | 0.88          | +0.07 -0.08 | 2.9           | 5          | 430cc2619      |
| D-D 2419    | 24   | 0.24                   | 19 x 0.120 | 95.60              | 0.60      | 1.00          | +0.05 -0.10 | 3.4           | 7          | 430cc2419      |
| D-D 2301    | 23   | 0.28                   | 1 x 0.600  | 64.00              | 0.60      | 1.00          | +0.05 -0.10 | 3.9           | 7          | 430cc2301      |
| D-D 2219    | 22   | 0.40                   | 19 x 0.150 | 60.00              | 0.76      | 1.16          | +0.04 -0.11 | 4.9           | 10         | 430cc2219      |
| H-DM 0.5    | -    | 0.50                   | 16 x 0.200 | 40.10              | 0.88      | 1.28          | ±0.10       | 5.3           | 12         | 431cc0050      |
| D-D 2019    | 20   | 0.60                   | 19 x 0.200 | 33.20              | 0.96      | 1.36          | +0.14 -0.06 | 7.5           | 14         | 430cc2019      |
| D-D 1901    | 19   | 0.63                   | 1 x 0.900  | 28.50              | 0.90      | 1.30          | +0.05 -0.10 | 7.9           | 14         | 430cc1901      |
| H-DM 0.75   | -    | 0.75                   | 24 x 0.200 | 26.70              | 1.05      | 1.45          | +0.13 -0.07 | 7.7           | 16         | 431cc0075      |
| D-D 1819    | 18   | 1.00                   | 19 x 0.250 | 21.10              | 1.20      | 1.60          | ±0.05       | 10.4          | 19         | 430cc1819      |
| H-DM 1.0    | -    | 1.00                   | 32 x 0.200 | 20.00              | 1.20      | 1.60          | +0.15 -0.05 | 9.5           | 19         | 431cc0100      |
| D-D 1619    | 16   | 1.20                   | 19 x 0.300 | 14.50              | 1.42      | 1.82          | +0.18 -0.02 | 16.5          | 23         | 430cc1619      |
| H-DM 1.5    | -    | 1.50                   | 30 x 0.250 | 13.70              | 1.50      | 2.00          | +0.12 -0.08 | 15.1          | 26         | 431cc0150      |
| D-D 1437    | 14   | 2.00                   | 37 x 0.250 | 10.90              | 1.75      | 2.25          | ±0.10       | 20.7          | 32         | 430cc1437      |
| H-DM 2.5    | -    | 2.50                   | 50 x 0.250 | 8.21               | 1.95      | 2.45          | ±0.10       | 23.2          | 37         | 431cc0250      |
| D-D 1237    | 12   | 2.60                   | 37 x 0.300 | 7.60               | 2.10      | 2.60          | ±0.10       | 27.1          | 43         | 430cc1237      |
| D-DM 4      | -    | 4.00                   | 56 x 0.300 | 5.09               | 2.48      | 3.20          | ±0.05       | 40.0          | 52         | 430cc0400      |
| D-DM 6      | -    | 6.00                   | 84 x 0.300 | 3.39               | 2.92      | 4.00          | ±0.05       | 61.4          | 68         | 430cc0600      |
| D-DM 10     | -    | 10.00                  | 80 x 0.400 | 1.95               | 3.93      | 5.10          | ±0.05       | 106.5         | 101        | 430cc1000      |

