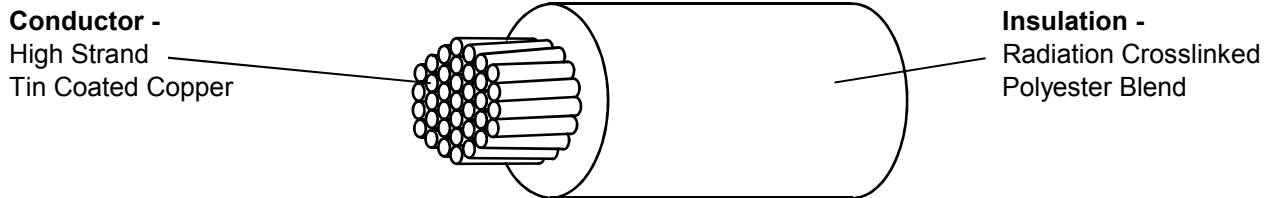


FLEXIBLE POWER CABLE, RADIATION CROSSLINKED POLYESTER BLEND, TIN COATED COPPER,  
1000/1600 VOLT, 130°C RATED

The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of the referenced specifications. This document takes precedence over documents referenced herein.



| CONSTRUCTION DETAILS |                 |                              |                              |                       |  |                     |        |                  |                        |
|----------------------|-----------------|------------------------------|------------------------------|-----------------------|--|---------------------|--------|------------------|------------------------|
| Part Description     | Wire Size (AWG) | CONDUCTOR                    |                              |                       | Maximum DC Resistance @ 20°C (Ohms/km) | FINISHED WIRE       |        |                  | Maximum Weight (kg/km) |
|                      |                 | Conductor Stranding No x AWG | Nominal Strand Diameter (mm) | Maximum Diameter (mm) |  | Outer Diameter (mm) |        |                  |                        |
|                      |                 |                              |                              |                       |  | Lower Spec Limit    | Target | Upper Spec Limit |                        |
| FDR25S-16-*          | 16              | 259 x 40                     | 0.079                        | 1.70                  | 14.5                                   | 2.36                | 2.46   | 2.57             | 17.2                   |
| FDR25S-14-*          | 14              | 665 x 42                     | 0.063                        | 2.18                  | 9.51                                   | 2.84                | 2.95   | 3.05             | 26.8                   |
| FDR25S-12-*          | 12              | 665 x 40                     | 0.079                        | 2.69                  | 6.06                                   | 3.35                | 3.45   | 3.56             | 39.1                   |
| FDR25S-10-*          | 10              | 665 x 38                     | 0.100                        | 3.55                  | 3.60                                   | 4.17                | 4.34   | 4.52             | 65.7                   |
| FDR25S-8-*           | 8               | 1078 x 38                    | 0.100                        | 4.57                  | 2.33                                   | 6.20                | 6.50   | 6.81             | 117.2                  |
| FDR25S-6-*           | 6               | 1764 x 38                    | 0.100                        | 5.61                  | 1.47                                   | 7.32                | 7.70   | 8.08             | 177.4                  |
| FDR25S-4-*           | 4               | 1666 x 36                    | 0.127                        | 7.37                  | 0.902                                  | 9.37                | 9.75   | 10.10            | 266.2                  |
| FDR25S-2-*           | 2               | 2646 x 36                    | 0.127                        | 8.81                  | 0.561                                  | 12.60               | 13.10  | 13.50            | 452.0                  |
| FDR25S-0-*           | 0               | 4256 x 36                    | 0.127                        | 10.92                 | 0.360                                  | 14.80               | 15.30  | 15.80            | 660.6                  |
| FDR25S-00-*          | 00              | 5320 x 36                    | 0.127                        | 12.10                 | 0.285                                  | 16.40               | 17.00  | 17.60            | 826.3                  |
| FDR25S-000-*         | 000             | 6783 x 36                    | 0.127                        | 13.97                 | 0.223                                  | 18.50               | 19.20  | 19.80            | 1045.5                 |
| FDR25S-0000-*        | 0000            | 8379 x 36                    | 0.127                        | 17.27                 | 0.180                                  | 21.80               | 22.50  | 23.10            | 1392.7                 |

COLOUR CODE & AVAILABILITY:

The '\*' in the part number shall be replaced by a standard colour code designator in accordance with Mil Std 681. 'e.g. FDR25S-16-0, Black Insulation.

PERFORMANCE REQUIREMENTS:

To be tested to and meet the requirements of the issue in effect of Raychem Specification WCD 2002 where applicable and additional electrical testing as follows:

Insulation Flaws: Routine Spark Test to issue in effect of BS5099:

| Conductor size (AWG) | Test Voltage |               |
|----------------------|--------------|---------------|
|                      | H.F (kV)     | Impulse (kV)* |
| 16 - 10              | 6            | 7             |
| 8                    | 8            | 11            |
| 6 - 4                | 10           | 13            |
| 2                    | 14           | 20            |
| 0                    | 15           | n/a           |
| 00 - 0000            | 17           | n/a           |

\*Where applicable

APPROVAL:

Electronic sign off - no signatures will appear.