

## Technical Data Sheet

### RG59/U COAXIAL CABLE 75 OHM TO MIL-C-17G

#### Technical Data

|                       |                     |                                                                          |
|-----------------------|---------------------|--------------------------------------------------------------------------|
| <b>PRODUCT NUMBER</b> | FEEDFLEX®           | <b>9214</b>                                                              |
| <b>CONDUCTOR</b>      | <b>CONSTRUCTION</b> | 23 AWG (1 / 0.60 mm)                                                     |
|                       | <b>MATERIAL</b>     | BARE COPPER WIRE                                                         |
| <b>INSULATION</b>     | <b>MATERIAL</b>     | LDPE                                                                     |
|                       | <b>THICKNESS</b>    | 1.55 mm Nom.                                                             |
|                       | <b>O.D.</b>         | 3.70 ± 0.10 mm                                                           |
|                       | <b>COLOR</b>        | NATURAL                                                                  |
| <b>SHIELD</b>         | <b>BRAID</b>        | 16 / 7 / 0.16 mm, BARE COPPER WIRES, WITH 95% COVERAGE Min.              |
| <b>JACKET</b>         | <b>MATERIAL</b>     | PVC (RoHS)/UV-Resistant                                                  |
|                       | <b>THICKNESS</b>    | 0.80 mm Nom.                                                             |
|                       | <b>O.D.</b>         | 6.00 ± 0.20 mm                                                           |
|                       | <b>COLOR</b>        | BLACK                                                                    |
| <b>WEIGHT</b>         |                     | 56.0 Kg / 1Km                                                            |
| <b>PRINTING</b>       |                     | " ...M .. FEEDFLEX® RG59/U COAXIAL CABLE 75 OHM to MIL-C-17G . . . M .." |

#### PERFORMANCE PROPERTIES

|                                         |                     |           |           |            |            |            |            |            |                      |
|-----------------------------------------|---------------------|-----------|-----------|------------|------------|------------|------------|------------|----------------------|
| <b>IMPEDANCE</b>                        |                     |           |           |            |            |            |            |            |                      |
|                                         |                     |           |           |            |            |            |            |            | 75 ± 3 Ω             |
| <b>CAPACITANCE</b>                      |                     |           |           |            |            |            |            |            | 68 pF/M Nom.         |
| <b>VELOCITY OF PROPAGATION</b>          |                     |           |           |            |            |            |            |            | 67% Nom.             |
| <b>MAX. OPERATING TEMPERATURE. (°C)</b> |                     |           |           |            |            |            |            |            | -40 / 60°C           |
| <b>MIN. BEND RADIUS</b>                 |                     |           |           |            |            |            |            |            | 63.5mm               |
| <b>ATTENUATION</b>                      | <b>MHz</b>          | <b>10</b> | <b>50</b> | <b>100</b> | <b>200</b> | <b>400</b> | <b>700</b> | <b>900</b> | <b>1000</b>          |
| (dB/100m)                               | <b>dB</b>           | 3.6       | 7.9       | 11.2       | 16.1       | 23.0       | 31.8       | 36.4       | 39.4                 |
| <b>AVERAGE POWER</b>                    | <b>kW (at 20°C)</b> | 0.6       | 0.47      | 0.31       | 0.24       | 0.138      | 0.1        | 0.075      | 0.076                |
| <b>INNER CONDUCTOR RESISTANCE</b>       |                     |           |           |            |            |            |            |            | 61 Ω/Km Nom          |
| <b>INSULATION RESISTANCE</b>            |                     |           |           |            |            |            |            |            | 100 M Ω-Km Min       |
| <b>DIELECTRIC STRENGTH</b>              |                     |           |           |            |            |            |            |            | 3.0 KV / 1 min. Min. |

