



## Technical Data Sheet

### RG214LSFROH COAXIAL CABLE 50OHM

#### TECHNICAL DATA

|                |                               |                                                                                                           |
|----------------|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| PRODUCT NUMBER | FEEDFLEX®                     | 92054LSFROH<br>LOW SMOKE, FIRE RETARDANT, ZERO HALOGEN                                                    |
| CONDUCTOR      | CONSTRUCTION<br>MATERIAL      | 19 AWG (7 / 0.75 mm)<br>SILVERED COPPER WIRE                                                              |
| INSULATION     | MATERIAL<br>THICKNESS         | LOW DENSITY POLYETHYLENE<br>7.25 ± 0.18 mm Nom                                                            |
| BRAID 1        | BRAID                         | 240 x 0.15 MM TINNED COPPER WIRES, WITH 97% COVERAGE Min.                                                 |
| BRAID 2        | BRAID                         | 240 x 0.15 MM TINNED COPPER WIRES, WITH 96% COVERAGE Min.                                                 |
| OUTER JACKET   | MATERIAL<br><br>O.D.<br>COLOR | FLAME RETARDANT NON-CORROSIVE<br>THERMOPLASTIC FREE OF HALOGENS<br><br>Ø 10.8 ± 0.18 mm<br>BLACK RAL 9004 |
| WEIGHT         |                               | 204.6/1 Km                                                                                                |
| PRINTING       |                               | . . . M ... FEEDFLEX® RG214LSFROH 50 COAXIAL CABLE . . . M ...                                            |

#### PERFORMANCE PROPERTIES

|                                  |                                |
|----------------------------------|--------------------------------|
| IMPEDANCE                        | 50 ± 3 Ω                       |
| CAPACITANCE                      | 100 pF/M Nom.                  |
| VELOCITY OF PROPAGATION          | 66% Nom.                       |
| MAX. OPERATING TEMPERATURE. (°C) | -40 / +80°C                    |
| MIN. BEND RADIUS                 | Single 50 mm / repeated 100 mm |

|               |              |      |     |     |      |      |      |      |      |      |      |      |      |      |
|---------------|--------------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|
| ATTENUATION   | MHz          | 30   | 50  | 150 | 220  | 450  | 800  | 1000 | 1500 | 1800 | 2000 | 2500 | 3000 | 5800 |
| (dB/100m)     | dB           | 3,5  | 4,5 | 8,5 | 10,5 | 15,4 | 21,3 | 24,3 | 31,7 | 35,7 | 38,3 | 44,7 | 51,3 | 87,0 |
| AVERAGE POWER | kW (at 20°C) | 1155 | 894 | 516 | 426  | 298  | 224  | 200  | 163  | 149  | 141  | 126  | 115  | 83   |

|                            |              |
|----------------------------|--------------|
| INNER CONDUCTOR RESISTANCE | 6.0 Ω/Km Nom |
|----------------------------|--------------|

|                      | ITEM                       | SPECIFICATION | TEST METHOD             |
|----------------------|----------------------------|---------------|-------------------------|
| PROPERTIES OF JACKET | SMOKE DENSITY              | Dm4 Max. 150  | IEC 61034-2             |
|                      | HALOGEN ACID GAS EVOLUTION | 0.5% Max.     | IEC 60754-1 IEC 60754-2 |