



Technical Data Sheet

FF300LSFROH FLEX LOW LOSS 50 OHM COAXIAL CABLE

Technical Data

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|-----------------------|---|
| PRODUCT NUMBER | 6071LSFROH |
| LSFROH | LOW SMOKE, FIRE RETARDANT, ZERO HALOGEN |
| CONDUCTOR | CONSTITUTION 15 AWG (7 / 0.60 mm) |
| | MATERIAL BARE COPPER WIRE |
| | MATERIAL GAS INJECTED FOAMED POLYETHYLENE |
| INSULATION | THICKNESS 1.42 mm Nom |
| | O.D. 4.80 mm ± 0.10 mm |
| | COLOR NATURAL |
| SHIELD | FOIL ADHESIVE AL-MYLAR TAPE IS LONGITUDINALLY WRAPPED OVERALL THE SHIELD CABLE |
| | BRAID 24 / 7 / 0.15 mm, TINNED COPPER WIRES, WITH 95% COVERAGE Min. |
| | MATERIAL FR-TPU (80°C, RoHS)/ UV-Resistent |
| JACKET | THICKNESS 0.90 mm Nom. |
| | O.D. 7,6mm ± 0.20 mm |
| | COLOR BLACK |
| WEIGHT | 89.5 Kg/1 Km |
| MARDING | . . . M ... FEEDFLEX® FF300LSFROH FLEX LOW LOSS 50 COAXIAL CABLE . . . M ... |

PERFORMANCE PROPERTIES

| | | | | | | | | | | | |
|----------------------------------|--------------|------|------|------|------|------|------|------|------|------|------|
| IMPEDANCE | | | | | | | | | | | |
| | | | | | | | | | | | |
| CAPACITANCE | | | | | | | | | | | |
| | | | | | | | | | | | |
| VELOCITY OF PROPAGATION | | | | | | | | | | | |
| | | | | | | | | | | | |
| MAX. OPERATING TEMPERATURE. (°C) | | | | | | | | | | | |
| | | | | | | | | | | | |
| MIN. BEND RADIUS | | | | | | | | | | | |
| | | | | | | | | | | | |
| ATTENUATION | MHz | 30 | 50 | 150 | 220 | 450 | 900 | 1500 | 1800 | 2000 | 2500 |
| (dB/100m) | dB / 100m | 4.2 | 5.4 | 9.4 | 11.5 | 16.6 | 23.8 | 31.2 | 34.4 | 36.4 | 41.0 |
| AVERAGE POWER | kW (at 20°C) | 1.74 | 1.35 | 0.77 | 0.63 | 0.44 | 0.30 | 0.23 | 0.21 | 0.20 | 0.18 |
| INNER CONDUCTOR RESISTANCE | | | | | | | | | | | |
| | | | | | | | | | | | |
| INSULATION RESISTANCE | | | | | | | | | | | |
| | | | | | | | | | | | |
| DIELECTRIC STRENGTH | | | | | | | | | | | |
| | | | | | | | | | | | |

PACKING SIZE IS 500M ON WODDEN DRUM.

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| | ITEM | SPECIFICATION | TEST METHOD | |
|----------------------|----------------------------|---------------|-------------|-------------|
| PROPERTIES of JACKET | SMOKE DENSITY | Dm4 Max. 150 | ASTM E662 | IEC 61034 |
| | TOXICITY INDEX | Max. 5 | NES 713 | |
| | HALOGEN ACID GAS EVOLUTION | 0.5% Max. | IEC 60754-1 | IEC 60754-2 |

FLAME RETARDENT ACC. TO IEC 60332-1-2

| | CHEMICAL SUBSTANCES | LIMIT OF PMM (mg/kg) | METHOD |
|---------------------|---|----------------------|-----------|
| PROPERTIES FOR RoHS | LEAD (Pb) | <1000 | IEC 62321 |
| | CADMIUM (Cd) | <100 | |
| | MERCURY (Hg) | <1000 | |
| | HEXAVALENT CHROMIUM (Cr ⁺⁶) | <1000 | |
| | POLYBROMINATED BIPHENYL (PBBs) | <1000 | |
| | POLYBROMINATED BIPHENYL (PBDEs) | <1000 | |

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