

Feeder Cable 1/2 " 690 - 3900 Mhz
Model: SZALO-KX-1/2

1/2" Foam Insulation Coaxial Cable
 Corrugated copper outer conductor
 This product is used for telecommunication system



Construction

| Serial No. | Description | Unit | Specification |
|------------|-----------------------------|------|---------------|
| 1 | Inner conductor | mm | 4.80±0.05 CCA |
| 2 | Dielectric | / | Foamed PE |
| 3 | Diameter of dielectric | mm | 12.2 |
| 4 | Diameter of outer conductor | mm | 13.90±0.25 |
| 5 | Jacket material | / | PE |
| 6 | Jacket color | / | Black |
| 7 | Diameter of jacket | mm | 15.50±0.50 |

Electrical Properties

| Serial No. | Description | Unit | Specification | |
|------------|------------------------------------|---------|--------------------------|-------|
| 1 | Characteristic Impedance | Ω | 50±2 | |
| 2 | Capacitance | PF/M | 76 | |
| 3 | Velocity of propagation | % | 88 | |
| 4 | DC breakdown Voltage | kV | 2.5 | |
| 5 | Insulation resistance | MΩ.km | >10000 | |
| 6 | VSWR | / | 690-960MHz | ≤1.2 |
| | | | 1700-1880MHz | ≤1.2 |
| | | | 1880-2180MHz | ≤1.2 |
| | | | 2500-2690MHz | ≤1.2 |
| | | | 3300-3700 MHz | ≤1.2 |
| | | | 3700-3900 MHz | ≤1.25 |
| 7 | Attenuation (5% tolerance allowed) | dB/100m | 7.0 dB/100m @ 900 MHz | |
| | | | 10.1 dB/100m @ 1800 MHz | |
| | | | 11.0 dB/100m @ 2100 MHz | |
| | | | 13.3 dB/100m @ 2700 MHz | |
| | | | 15.11 dB/100m @ 3500 MHz | |
| | | | 15.61 dB/100m @ 3700 MHz | |
| | | | 16.15 dB/100m @ 3900 MHz | |

Mechanical Specifications

| | |
|------------------------------------|---------|
| Tensile strength | 1150N |
| Min. bending radius (single) | 70 mm |
| Min. bending radius (repeated) | 125 mm |
| Number of bends, minimum (typical) | 15 (50) |
| Bending moment | 5 Nm |
| Recommended hanger spacing | 0.8 m |

Environmental Specifications

| | |
|--------------------------|----------------|
| Installation Temperature | -25°C to +60°C |
| Operating Temperature | -40°C to +85°C |
| Storage Temperature | -70°C to +85°C |
| RoHS | Compliant |

Deminsion

| | |
|---------------------|-----------|
| Nominal size | 1/2" |
| Inner conductor OD. | Ø 4.8 mm |
| Dielectric OD. | Ø 12.2 mm |
| Outer conductor OD. | Ø 13.8 mm |
| Jacket OD. | Ø 15.9 mm |