

# SRFS TELEINFRA



## Low Loss RA SMA Male to SMA Female Bulkhead Cable LMR-100 Coax



| Electrical Specifications            |                               |                            |
|--------------------------------------|-------------------------------|----------------------------|
| Frequency Range                      | DC-3 GHz                      |                            |
| Characteristic Impedance             | 50 ohms                       |                            |
| VSWR                                 | 1.4:1                         |                            |
| Insertion Loss(Max.)                 | 0.35[1.15] dB/ft[dB/m]        |                            |
| Velocity of Propagation              | 66%                           |                            |
| RF Shielding                         | 90 dB                         |                            |
| Capacitance                          | 30.8[101.05] pF/ft[pF/m]      |                            |
| Inductance                           | 0.077[0.25] uH/ft[uH/m]       |                            |
| DC Resistance Inner Conductor        | 81[265.75] Ohm/1000ft[Ohm/Km] |                            |
| DC Resistance Outer Conductor        | 9.5[31.17] Ohm/1000ft[Ohm/Km] |                            |
| CABLE                                |                               |                            |
| Cable Type                           | LMR-100A                      |                            |
| Impedance                            | 50 Ohms                       |                            |
| Inner Conductor Type                 | Solid                         |                            |
| Inner Conductor Material and Plating | Copper Clad Steel             |                            |
| Dielectric Type                      | PE                            |                            |
| Number of Shields                    | 2                             |                            |
| Shield Layer1                        | Aluminum Tape                 |                            |
| Shield Layer2                        | Tinned Copper Braid           |                            |
| Jacket Material                      | PVC ,Black                    |                            |
| Jacket Diameter                      | 0.11 in [2.79 mm]             |                            |
| Repeated Minimum Bend Radius         | 1 in [25.4 mm]                |                            |
| Tensile Strength                     | 15 lbs[6.8 Kg]                |                            |
| CONNECTORS                           | CONNECTOR1                    | CONNECTOR2                 |
| Type                                 | SMA Male                      | SMA Female                 |
| Mount Method                         |                               | Bulkhead                   |
| Impedance                            | 50 Ohms                       | 50 Ohms                    |
| Contact Material & Plating           | Brass, Gold                   | Beryllium Copper ,Gold     |
| Dielectric Type                      | PTFE                          | PTFE                       |
| Outer Cond Material & Plating        |                               | Brass,Gold                 |
| Coupling Nut Material & Plating      | Brass, Nickel                 |                            |
| Body Material & Plating              | Passivated Stainless Steel    | Passivated Stainless Steel |
| Hex Size                             | 16 May Inch                   | 16 May Inch                |
| Operating Range                      | -20 to + 80 degree C          |                            |

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