

# SRFS TELEINFRA



## Low Loss SMA Female Bulkhead to RA TNC Male Cable LL160



| Electrical Specifications            |                            |                            |
|--------------------------------------|----------------------------|----------------------------|
| Frequency Range                      | DC-18GHz                   |                            |
| Characteristic Impedance             | 50 ohms                    |                            |
| VSWR                                 | 1.33:1                     |                            |
| Insertion Loss(Typ.)                 | 0.46 [1.51] dB/ft[ dB/m]   |                            |
| Velocity of Propagation              | 82.5%                      |                            |
| RF Shielding                         | -90dB                      |                            |
| Capacitance                          | 25[82.02] pF/ft[pF/m]      |                            |
| CABLE                                |                            |                            |
| Cable Type                           | LL160                      |                            |
| Impedance                            | 50 Ohms                    |                            |
| Inner Conductor Type                 | Solid                      |                            |
| Inner Conductor Material and Plating | Copper, Silver             |                            |
| Dielectric Type                      | PTFE                       |                            |
| Number of Shields                    | 3                          |                            |
| Shield Layer1                        | Silver Plated Copper       |                            |
| Shield Layer2                        | Aluminum Polyester         |                            |
| Shield Layer3                        | Silver Plated Copper       |                            |
| Jacket Material                      | FEP                        |                            |
| Jacket Diameter                      | 0.16 in [4.06 mm]          |                            |
| Repeated Minimum Bend Radius         | 0.8 in [20.32mm]           |                            |
| CONNECTORS                           | CONNECTOR1                 | CONNECTOR2                 |
| Type                                 | SMA Female                 | TNC Male                   |
| Mount Method                         | Bulkhead                   |                            |
| Impedance                            | 50 Ohms                    | 50 Ohms                    |
| Contact Material & Plating           | Beryllium Copper ,Gold     | Beryllium Copper ,Gold     |
| Dielectric Type                      | PTFE                       | PTFE                       |
| Coupling Nut Material & Plating      |                            | Passivated Stainless Steel |
| Body Material & Plating              | Passivated Stainless Steel | Passivated Stainless Steel |
| Outer Cond Material & Plating        | Passivated Stainless Steel |                            |
| Hex Size                             | 5/16 inch                  |                            |
| Operating Range                      | -55to +165 degree C        |                            |



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