

# SRFS TELEINFRA

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## Low Loss RA SMA Male to RA TNC MALE Cable LL160 Coax



| Electrical Specifications            |                            |                            |
|--------------------------------------|----------------------------|----------------------------|
| Frequency Range                      | DC-18 GHz                  |                            |
| Characteristic Impedance             | 50 ohms                    |                            |
| VSWR                                 | 1.35:1                     |                            |
| Insertion Loss(Typ.)                 | 0.46[1.51] dB/ft[ dB/m]    |                            |
| Velocity of Propagation              | 82.5%                      |                            |
| RF Shielding                         | -90 dB                     |                            |
| 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 Tape  |                            |
| Shield Layer2                        | Aluminum Polyester         |                            |
| Shield Layer3                        | Silver Plated Copper Wire  |                            |
| Jacket Material                      | FEP                        |                            |
| Jacket Diameter                      | 0.16 in [4.06 mm]          |                            |
| Repeated Minimum Bend Radius         | 0.8 in [20.32 mm]          |                            |
| CONNECTORS                           |                            |                            |
|                                      | CONNECTOR1                 | CONNECTOR2                 |
| Type                                 | RA SMA Male                | RA TNC Male                |
| 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 | Passivated Stainless Steel |
| Body Material & Plating              | Passivated Stainless Steel | Passivated Stainless Steel |
| Operating Range                      | -55 to + 165 degree C      |                            |

Add: plot no 10 shiv vihar a block Najafgarh Sahibi river road Vikas Nagar Uttam nagar new delhi-110059

+91 7838349349, +91 8076749052 info@srfsteleinfra.in, sales@srfsteleinfra.in, srfsteleinfra@gmail.com

www.srfsteleinfra.in, www.srfsteleinfra.com

SRFS Teleinfra | All specifications are subject to change.  
SRFS reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.  
It may be necessary to make modifications to the part and/or the documentation of the part to implement improvements.  
See www.srfsteleinfra.in for the most current information. Revised: 19 Jan 2023

