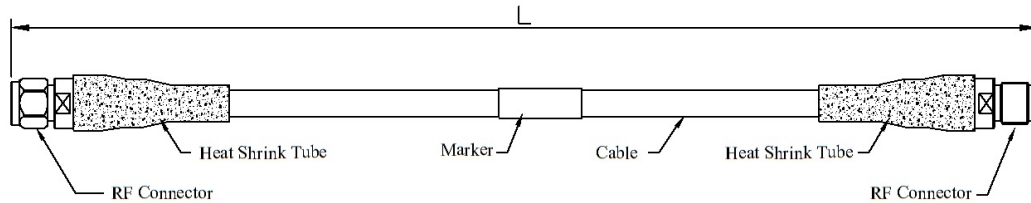


## LKXXX-292M292F-XXX RF Coaxial Cable Assembly

Drawing:



| Electrical & Mechanical Characteristic |                          |
|--|--------------------------|
| Frequency Range (GHz)                  | 40GHz                    |
| Impedance Nominal ( $\Omega$ )         | 50                       |
| Insulation Resistance (M $\Omega$ )    | 5000                     |
| Dielectric Withstanding Voltage (V)    | 1000                     |
| VSWR                                   | 1.3                      |
| Shielding Effectiveness (dB)           | Refer to selection cable |
| Minimum Bend Radius (mm)               | Refer to selection cable |
| Temperature Range ( $^{\circ}$ C)      | -55~165                  |
| Cable Diameter (mm)                    | Refer to selection cable |

| Material & Coating     |  |
|------------------------|--|
| <b>1. Cable</b>        |  |
| a. Inner Conductor     | Silver plated copper wire  |
| b. Insulation          | Low density PTFE   |
| c. First Outer Shield  | Silver plated copper foil wrap/<br>Silver plated copper flat wire braid  |
| d. Second Outer Shield | Silver plated copper wire braid/<br>Silver plated copper flat wire braid |
| e. Third Outer Shield  | /  |
| f. Jacket              | FEP/TPU  |
| <b>Connector</b>       |  |
| a. Inner Conductor     | Brass gold-plated  |
| b. Base                | PTFE   |
| c. Shell               | Passivated stainless steel/ Brass gold-plated/ Ni                        |
| d. Threaded Sleeve     | Passivated stainless steel/ Brass gold-plated/ Ni                        |
| 3. Armor               | TBD  |

## LKXXX-292M292F-XXX RF Coaxial Cable Assembly

| Product Series List  |                             |      |       |       |         |       |
|----------------------|-----------------------------|------|-------|-------|---------|-------|
| Product Series       | Maximum Insertion Loss (dB) |      |       |       |         |       |
|                      | 3GHz                        | 6GHz | 10GHz | 18GHz | 26.5GHz | 40GHz |
| LK087-292M292F-100   | 1.37                        | 1.89 | 3.22  | 4.22  | 4.41    | 5.33  |
| LK140-292M292F-100   | 0.82                        | 1.17 | 1.53  | 2.08  | 2.62    | 3.23  |
| LK190-292M292F-100   | 0.62                        | 0.84 | 1.12  | 1.51  | 1.90    | /     |
| LK200-292M292F-100   | 0.60                        | 0.80 | 1.10  | 1.48  | 1.88    | /     |
| LK200A-292M292F-100  | 0.60                        | 0.80 | 1.10  | 1.48  | 1.88    | /     |
| LKMF086-292M292F-100 | 1.38                        | /    | 2.70  | 3.80  | /       | /     |
| LKMF141-292M292F-100 | 0.86                        | 1.35 | 1.75  | 2.42  | /       | /     |

The connector model, cable type and product length can be customized, product naming rule is defined as below:

