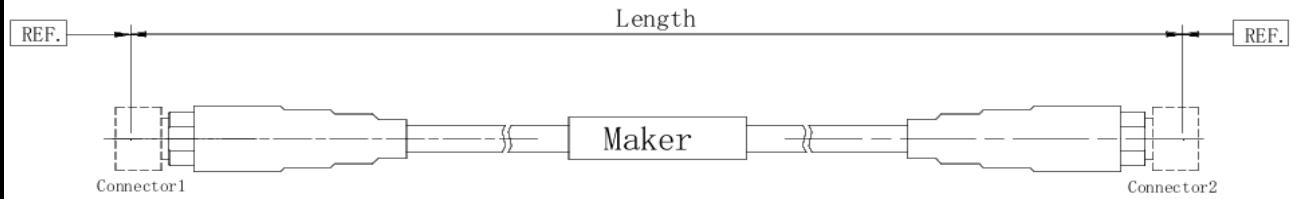


2.4 MM MALE TO 2.4 MM FEMALE CABLE WITH 1 MTR



A widely application in microwave,wireless communication systems and the other electronic equipments.With the features of low loss,low VSWR,excellent shieding effectiveness light weight,excellent construction stability.

| | |
|---------------------|---|
| P/N | ST022425MF040 |
| Description: | 2.4 MM (Male) to 2.4 MM (Female) With 1 Mtr lenght |

| Connector | | |
|-------------------------|------------------------------|------------------------------|
| | Connector 1 | Connector 2 |
| Connector type | 2.4 MALE | 2.4 FEMALE |
| Center conductor | Beryllium Copper Plated | Beryllium Copper Plated |
| Dielectric | PTFE | PTFE |
| Outer conductor | Stainless Still (Passivated) | Stainless Still (Passivated) |

| CABLE | | | |
|-------------------------|--------------------------------------|------|---------|
| | PN | ST50 | |
| Centre conductor | Silver Plated Copper Wire | | 0.72mm |
| Dielectric | PE | | 2.21mm |
| Inner Shield | Silver Plated flat copper wire braid | | 2.38mm |
| Outer Shield | Silver Plated flat copper wire braid | | 3.14mm |
| Jacket | FEP | | 3.60 mm |

| Cable Assembly | |
|--|---------------------|
| Characteristic Impedance | 50Ω |
| Operation Frequency | 50 GHz |
| Insulation Resistance | 5000 Mohm |
| VP(%) | 76 % |
| Dielectric Withstanding Voltage | 1000 V |
| RF Shielding Effectiveness | > 90dB |
| Insertion loss | 3.00 dB/MTR @40 GHz |
| Bending Amplitude Stability | < ± 0.05 dB @50 GHZ |
| Bending Phase Stability | < ± 5 @ 50 GHz |
| Min Bending Radius | 3.6 centimeter |

| | VSWR | | 1.35 | |
|-------------------------------------|------------------|----------------------------------|-------------|--|
| | 50 Ghz | | | |
| Insertion loss (dB max) @GHz | Freq(Mhz) | dB/m(Including connector) | Watt | |
| | 1000 | 0.99 | 250 | |
| | 3000 | 1.26 | 140 | |
| | 6000 | 1.58 | 130 | |
| | 12000 | 2.08 | 80 | |
| | 18000 | 2.41 | 72 | |
| | 26500 | 2.84 | 66 | |
| | 40000 | 3.00 | 60 | |
| | 50000 | 3.7 | 56 | |

| Environment | |
|---|----------------|
| Operating temperature range (°C) | -55°C + 125° C |
| ROHS | YES |