

# P1CA-STMTMF-ST085-24

SMA Male to SMPM Female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 24 inches long, Operating to 18 GHz.

## Product Features



Electrical Specification:  $T_{\text{Ambient}} = 25^{\circ}\text{C}$

| Parameter               | Frequency Range | Units  | Min | Typical | Max  | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range         |                 | GHz    | DC  |         | 18.0 |       |
| VSWR                    | DC to 1.0       | 1:     |     |         | 1.15 |       |
|                         | 1.0 to 5.0      |        |     |         | 1.2  |       |
|                         | 5.0 to 10.0     |        |     |         | 1.25 |       |
|                         | 10.0 to 18.0    |        |     |         | 1.35 |       |
| Insertion Loss          | DC to 1.0       | dB/ft. |     |         | 0.21 |       |
|                         | 1.0 to 5.0      |        |     |         | 0.51 |       |
|                         | 5.0 to 10.0     |        |     |         | 0.75 |       |
|                         | 10.0 to 18.0    |        |     |         | 1.04 |       |
| Velocity Of Propagation |                 | %      |     | 70.0    |      |       |

## Mechanical And Environmental Specifications:

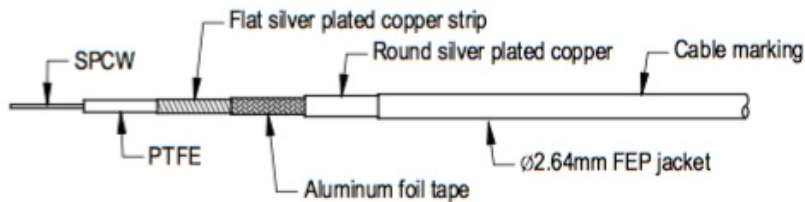
| Parameter                | Description                | Notes |
|--------------------------|----------------------------|-------|
| Connector 1              | SMA Male                   |       |
| Connector 1 Coupling Nut | Passivated Stainless Steel |       |
| Connector 1 Body         | Passivated Stainless Steel |       |
| Connector 1 Contact      | Gold Plated Brass          |       |
| Connector 2              | SMPM Female                |       |

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| Parameter                | Description                           | Notes |
|--------------------------|---------------------------------------|-------|
| Connector 2 Coupling Nut | None                                  |       |
| Connector 2 Body         | Gold Plated Beryllium Copper          |       |
| Connector 2 Contact      | Gold Plated Beryllium Copper          |       |
| Coax Cable               | Tight-Flex, Triple Shielded           |       |
| Cable Type               | ST085                                 |       |
| Cable Inner Conductor    | SPCW                                  |       |
| Dielectric               | PTFE                                  |       |
| Shield                   | 1. SPC Tape, Aluminum Tape, SPC Braid |       |
| Jacket                   | FEP                                   |       |
| Coax Diameter            | 0.104                                 |       |
| Minimum Bend Radius      | 0.2                                   |       |
| Length                   | 24.0                                  |       |
| Operating Temperature    | -55.0 to 200.0 °C                     |       |
| RoHS Compliance          | Yes                                   |       |

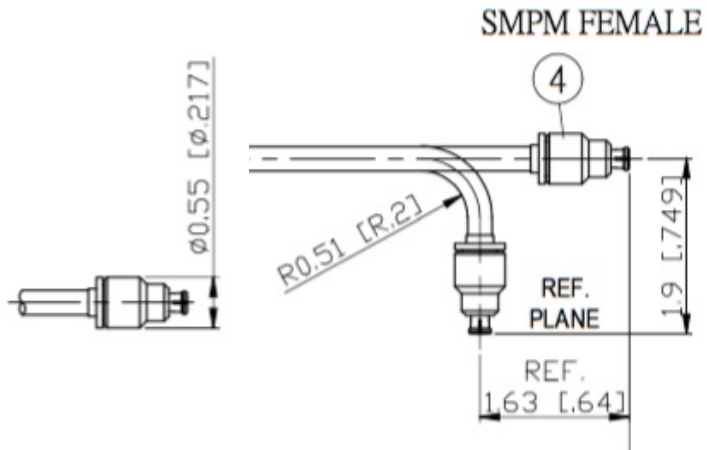
## Drawing



## Graph

## P1CA-STMTMF-ST085-24

SMA Male to SMPM Female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 24 inches long, Operating to 18 GHz.



### Product Notes