# P1CA-SAMSAM-141CJ-18

SMA Male to SMA Male cable assembly using 141CJ Jacketed Conformable Coax, 18 inches long, Operating to 26.5 GHz.



**Product Features**

P1CA-SAMSAM-141CJ-18 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 18 inch SMA Male to SMA Male Jacketed Conformable cable assembly that utilizes 141CJ conformable coax with a diameter of 0.17 inches. The RF cable assembly operates to 26.5 GHz with a max VSWR of 1.35:1. YouForm™ cables are conformable and jacketed conformable versions 085 and 141 semi-rigid coax cables and meet RG402 and RG405 dimensional and electrical specifications. YouForm™ cable assemblies can operate up to 26.5 GHz, depending on the configuration. The advantage of YouForm™ conformable cables over semi-rigid are their ability to be formed by hand multiple times, while semi-rigid cables can be formed only once with special bending tools.

**Electrical Specification: $T_{Ambient}$ = 25° C**

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|---|---|---|---|---|---|---|
| Frequency Range | | GHz | DC | | 26.5 | |
| VSWR | DC to 1.0 | 1: | | | 1.1 | |
| | 1.0 to 5.0 | | | | 1.1 | |
| | 5.0 to 10.0 | | | | 1.15 | |
| | 10.0 to 26.5 | | | | 1.35 | |
| Insertion Loss | DC to 1.0 | dB/ft. | | | 0.12 | |
| | 1.0 to 5.0 | | | | 0.31 | |
| | 5.0 to 10.0 | | | | 0.45 | |
| | 10.0 to 26.5 | | | | 0.65 | |
| 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 | Gold Plated Brass | |
| Connector 1 Contact | Gold Plated Brass | |
| Connector 2 | SMA Male | |
| Connector 2 Coupling Nut | Passivated Stainless Steel | |
| Connector 2 Body | Gold Plated Brass | |
| Connector 2 Contact | Gold Plated Brass | |
| Coax Cable | Jacketed Conformable | |
| Cable Type | 141CJ | |
| Cable Inner Conductor | SPCW | |
| Dielectric | PTFE | |
| Shield | 1. Tinned Cu/Sn Braid | |
| Jacket | FEP | |
| Coax Diameter | 0.17 | |

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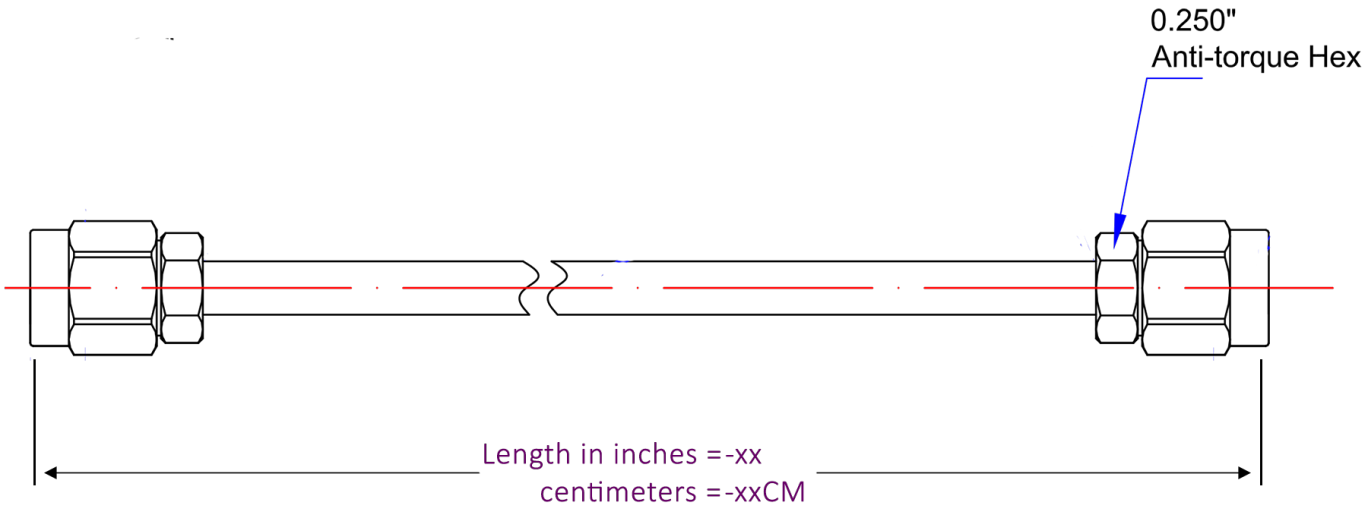
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SMA Male to SMA Male cable assembly using 141CJ Jacketed Conformable Coax, 18 inches long, Operating to 26.5 GHz.

| Parameter | Description | Notes |
|---|---|---|
| Minimum Bend Radius | 0.38 | |
| Length | 18.0 | |
| Operating Temprature | -85.0 to 200.0 °C | |
| RoHS Compliance | Yes | |

**Drawing**




**Product Notes**

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