

UHF Male for 1/4 in FSJ1-50A cable

Product Classification

Product TypeWireless and radiating connector

General Specifications

Body StyleStraightCable FamilyFSJ1-50AInner Contact PlatingSilverInterfaceUHF MaleMounting AngleStraight

Outer Contact Plating Nickel

Pressurizable No

Pressurizable

Dimensions

 Height
 18.54 mm | 0.73 in

 Width
 18.54 mm | 0.73 in

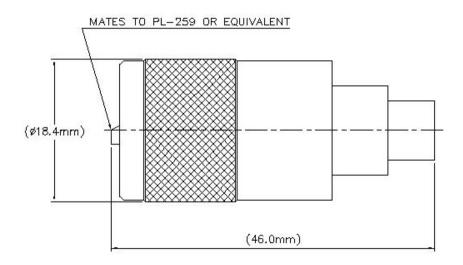
 Length
 43.69 mm | 1.72 in

 Diameter
 18.54 mm | 0.73 in

Nominal Size 1/4 in

Outline Drawing





Electrical Specifications

3rd Order IMD at Frequency-112 dBm @ 910 MHz3rd Order IMD Test MethodTwo +43 dBm carriersAverage Power at Frequency0.4 kW @ 900 MHz

Cable Impedance50 ohmConnector Impedance50 ohm

Operating Frequency Band 0 – 3000 MHz

VSWR/Return Loss

Frequency Band VSWR Return Loss (dB)

45–400 MHz 1.152 23.02

Mechanical Specifications

Connector Retention Tensile Force 449.27 N | 101 lbf

Interface Durability 500 cycles

Interface Durability Method IEC 61169-4:17

Mechanical Shock Test Method IEC 60068-2-27

Environmental Specifications

COMMSCOPE®

41SP

Operating Temperature $-55 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-67 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$

Storage Temperature $-65 \,^{\circ}\text{C} \text{ to } +125 \,^{\circ}\text{C} \, (-85 \,^{\circ}\text{F to } +257 \,^{\circ}\text{F})$

Attenuation, Ambient Temperature $20~^{\circ}\text{C} \mid 68~^{\circ}\text{F}$

Average Power, Ambient Temperature 40 °C | 104 °F

Average Power, Inner Conductor Temperature 100 °C | 212 °F

Corrosion Test Method IEC 60068-2-11

Moisture Resistance Test Method IEC 60068-2-3

Thermal Shock Test Method IEC 60068-2-14

Vibration Test Method IEC 60068-2-6

Packaging and Weights

Weight, net 61 g | 0.134 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant

