400BPNF-C



Type N Female for CNT-400 braided cable

Product Classification

Brand CNT® | ConQuest®
Product Type Braided cable connector

General Specifications

InterfaceN FemaleBody StyleStraight

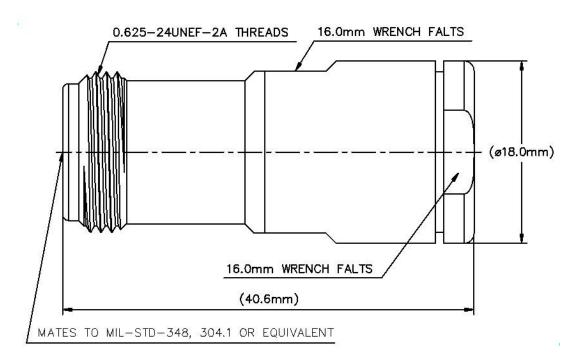
Electrical Specifications

Operating Frequency Band 0 - 6000 MHz Cable Impedance 50 ohm 50 ohm **Connector Impedance** RF Operating Voltage, maximum (vrms) 707.00 V dc Test Voltage 2500 V **Outer Contact Resistance, maximum** 0.25 mOhm Inner Contact Resistance, maximum 1.00 mOhm Insulation Resistance, minimum 5000 MOhm Insertion Loss, typical 0.05 dB

> page 1 of 3 April 11, 2019



Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method
Outer Contact Plating
Inner Contact Plating
Inner Contact Attachment Method
Interface Durability

Clamp
Trimetal
Silver
Captivated
Soo cycles

Interface Durability MethodIEC 61169-16:9.5Connector Retention Tensile Force330 N | 74 lbfConnector Retention Torque0.56 N-m | 0.41 ft lb

Dimensions

Nominal Size 0.405 in

 Diameter
 18.00 mm
 | 0.71 in

 Length
 40.55 mm
 | 1.60 in

 Weight
 44.58 g | 0.10 lb

 Width
 18.00 mm
 | 0.71 in

Environmental Specifications

page 2 of 3 April 11, 2019



400BPNF-C

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ (-40 °F to $+185 \,^{\circ}\text{F}$)

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

Immersion Depth1 mImmersion Test MatingMated

Immersion Test Method IEC 60529:2001, IP68

Mechanical Shock Test Method

EC 60068-2-27

Climatic Sequence Test Method

Damp Heat Steady State Test Method

EC 60068-2-3

Thermal Shock Test Method

EC 60068-2-14

Vibration Test Method

EC 60068-2-6

Corrosion Test Method

EC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature $20 \,^{\circ}\text{C}$ | $68 \,^{\circ}\text{F}$ Average Power, Ambient Temperature $40 \,^{\circ}\text{C}$ | $104 \,^{\circ}\text{F}$ Average Power, Inner Conductor Temperature $100 \,^{\circ}\text{C}$ | $212 \,^{\circ}\text{F}$

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.05	32.26
3000-6000 MHz	1.12	24.94

Regulatory Compliance/Certifications

Agency Classification

RoHS 2011/65/EU Compliant by Exemption

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

China RoHS SJ/T 11364-2014 Above Maximum Concentration Value (MCV)







* Footnotes

Immersion Depth Immersion at specified depth for 24 hours

Insertion Loss, typical 0.05v⁻freq (GHz) (not applicable for elliptical waveguide)

page 3 of 3 April 11, 2019

