Product Specifications





400BPNM-C Type N Male for CNT-400 braided cable

General Specifications

Interface	N Male
Body Style	Straight
Brand	CNT®

Electrical Specifications

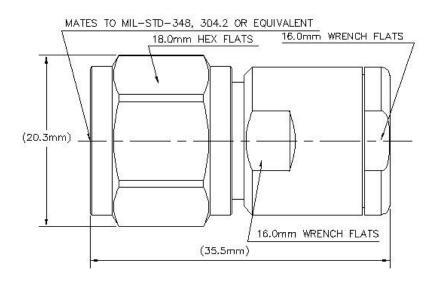
Operating Frequency Band	0 - 6000 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	707.00 V
dc Test Voltage	2500 V
Outer Contact Resistance, maximum	0.25 mOhm
Inner Contact Resistance, maximum	1.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Peak Power, maximum	10.00 kW
Insertion Loss, typical	0.05 dB

Product Specifications



400BPNM-C

Outline Drawing



Mechanical Specifications

Outer Contact Plating	Trimetal
Inner Contact Plating	Silver
Outer Contact Attachment Method	Clamp
Inner Contact Attachment Method	Captivated
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Connector Retention Tensile Force	330 N 74 lbf
Connector Retention Torque	0.56 N-m 0.41 ft lb
Coupling Nut Proof Torque	1.70 N-m 1.25 ft lb
Coupling Nut Proof Torque Method	IEC 61169-16:9.3.6
Coupling Nut Retention Force	450.00 N 101.16 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11

Dimensions

Nominal Size	0.405 in
Diameter	20.25 mm 0.80 in
Length	35.48 mm 1.40 in
Weight	37.55 g 0.08 lb
Width	20.25 mm 0.80 in

Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)	
Immersion Depth	1 m	
Immersion Test Mating	Mated	

Product Specifications



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Immersion Test Method IEC 60529:2001, IP68 Mechanical Shock Test Method IEC 60068-2-27 Climatic Sequence Test Method IEC 60068-1 Damp Heat Steady State Test Method IEC 60068-2-3 Thermal Shock Test Method IEC 60068-2-14 Vibration Test Method IEC 60068-2-6 Corrosion Test Method IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature 20 °C | 68 °F Average Power, Ambient Temperature 40 °C | 104 °F Average Power, Inner Conductor Temperature 100 °C | 212 °F

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.05	33.00
3000-6000 MHz	1.17	22.00

Regulatory Compliance/Certifications

Agency

Classification

RoHS 2011/65/EU China RoHS SJ/T 11364-2006

Compliant by Exemption

Above Maximum Concentration Value (MCV)

ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system





* Footnotes

Immersion Depth Immersion at specified depth for 24 hours

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