



400PUM

UHF Male for CNT-400 braided cable

## General Specifications

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Interface	UHF Male
Body Style	Straight
Brand	CNT®

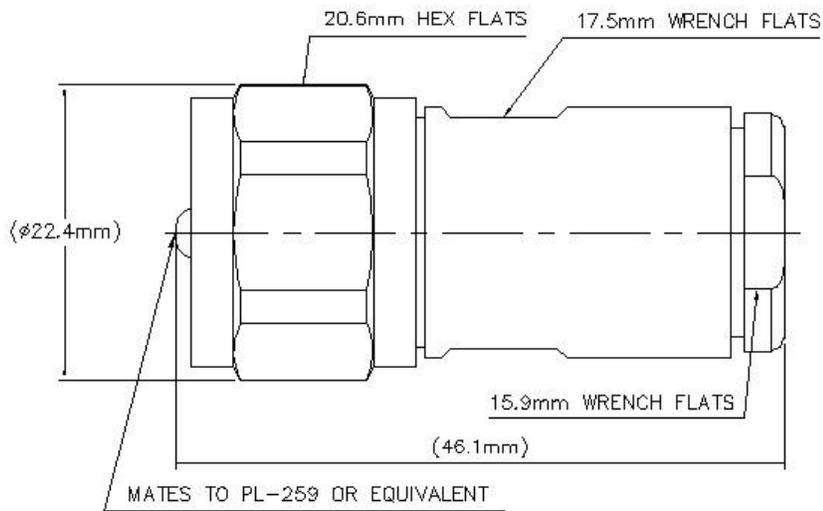
## Electrical Specifications

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Operating Frequency Band	0 – 1000 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
RF Operating Voltage, maximum (vrms)	500.00 V
dc Test Voltage	1500 V
Outer Contact Resistance, maximum	9.00 mOhm
Inner Contact Resistance, maximum	6.00 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	580.0 W @ 900 MHz
Insertion Loss, typical	0.05 dB

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## Outline Drawing



## Mechanical Specifications

Outer Contact Plating	Trimetal
Inner Contact Plating	Silver
Outer Contact Attachment Method	Clamp
Inner Contact Attachment Method	Solder
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-12:9.5
Connector Retention Tensile Force	330 N   74 lbf
Connector Retention Torque	0.75 N-m   0.56 N-m
Pressurizable	No
Coupling Nut Proof Torque	1.70 N-m   1.25 ft lb

## Dimensions

Nominal Size	0.405 in
Diameter	22.35 mm   0.88 in
Length	46.10 mm   1.81 in
Weight	73.00 g   0.16 lb
Width	22.35 mm   0.88 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
Immersion Test Method	IEC 60529:2001, IP68
Mechanical Shock Test Method	IEC 60068-2-27

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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)
0–300 MHz	1.43	15.00
300–600 MHz	1.43	15.00
600–1000 MHz	1.67	12.00

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	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
Insertion Loss, typical	0.05v <sup>-</sup> freq (GHz) (not applicable for elliptical waveguide)