C400-TMTM-30

CNT-400 CNT® Jumper with interface types TNC Male and TNC Male, 30 ft

Product Classification

Product Type	Braided cable assembly
Product Brand	CNT®
Product Series	CNT-400

General Specifications

Body Style, Connector A	Straight
Body Style, Connector B	Straight
Cable Family	CNT-400
Interface, Connector A	TNC Male
Interface, Connector B	TNC Male
Specification Sheet Revision Level	A

Dimensions

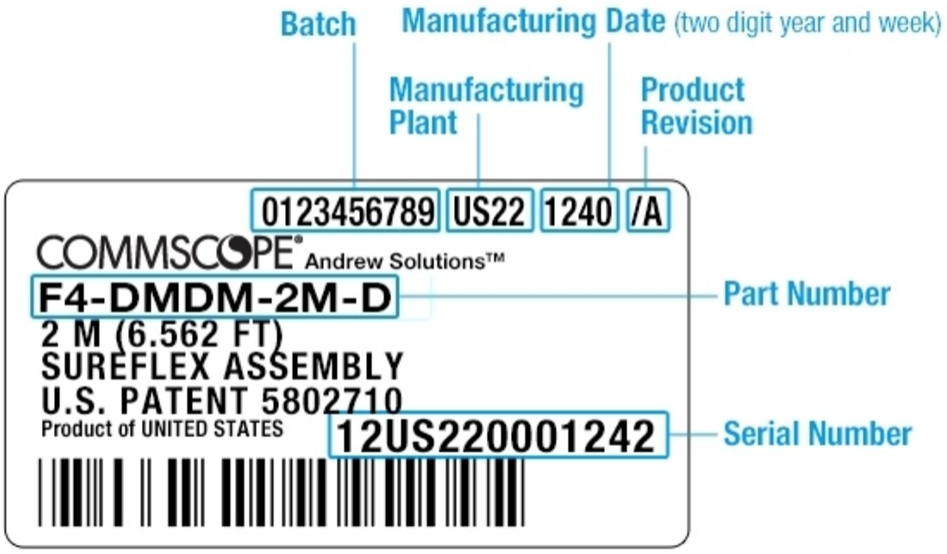
Length	9.144 m | 30 ft
Nominal Size	0.400 in

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
700–2000 MHz	1.288	18
2000–3000 MHz	1.433	14.99

Jumper Assembly Sample Label

C400-TMTM-30



Regulatory Compliance/Certifications

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

Included Products

400BPTM-C – TNC Male for CNT-400 braided cable

400BPTM-C

TNC Male for CNT-400 braided cable

Product Classification

Product Type	Braided cable connector
Product Brand	CNT® | ConQuest®

General Specifications

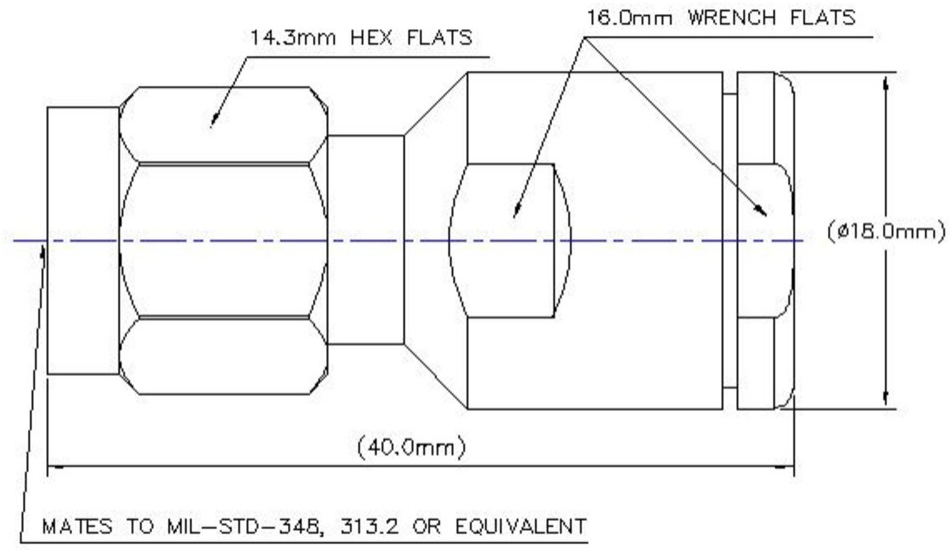
Body Style	Straight
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Gold
Interface	TNC Male
Outer Contact Attachment Method	Clamp
Outer Contact Plating	Trimetal

Dimensions

Length	41.24 mm | 1.624 in
Diameter	18 mm | 0.709 in
Nominal Size	0.405 in

400BPTM-C

Outline Drawing



Electrical Specifications

Insertion Loss, typical	0.05 dB
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance, maximum	1.5 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	0.4 mOhm
Peak Power, maximum	5 kW
RF Operating Voltage, maximum (vrms)	500 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.046	32.96
3000–6000 MHz	1.18	22

Mechanical Specifications

Connector Retention Tensile Force	330 N | 74.187 lbf
Connector Retention Torque	0.56 N-m | 4.956 in lb
Coupling Nut Proof Torque	1.7 N-m | 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-17:9.3.6
Coupling Nut Retention Force	445 N | 100.04 lbf
Coupling Nut Retention Force Method	IEC 61169-17:9.3.11
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-17:9.5
Mechanical Shock Test Method	IEC 60068-2-27

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)
Attenuation, Ambient Temperature	20 °C | 68 °F
Average Power, Ambient Temperature	40 °C | 104 °F
Average Power, Inner Conductor Temperature	100 °C | 212 °F
Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
Damp Heat Steady State Test Method	IEC 60068-2-3
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	41.85 g | 0.092 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
ROHS	Compliant

400BPTM-C

* Footnotes

Insertion Loss, typical	0.05v¯freq (GHz) (not applicable for elliptical waveguide)
Immersion Depth	Immersion at specified depth for 24 hours