

N Male to SMA Male with Reduced Diameter SMA Body Low Loss T est Cable 72 Inch Length Using ET38354 Coax, RoHS



TECHNICAL DATA SHEET

ET26813

The ET330 high performance test cable's 0.3 inch diameter and 83% phase velocity offer very low loss performance up to 18 GHz. The durable stainless steel connectors and FEP jacket provide a cost effective design ideal for test environments where a rugged cable assembly is required. The reduced 0.49 inch diameter SMA body allows for attachment to closely spaced connection points found on multiport components and interface panels. The series is offered with Type N, TNC, and SMA connectors all rated to 18 GHz. A heavy Duty boot provides improved strain relief and adds to the durability of the cable assemblies. These cable assemblies are built using a double shielded flexible cable, providing excellent shielding effectiveness of greater than 95 dB. All ET330 cable assemblies are 100% Continuity, Hi-POT, and RF tested to published specifications. Custom lengths are built to order and shipped same day.

- SMA Body diameter of 0.49 inches
- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR is < 1.35:1 to 18 GHz
- Minimum Bend Radius of 1.5 inches
- Operating Temperature range of -55 to +125 °C
- ROHS and REACH Compliant
- Same day shipment of custom lengths
- 100% Continuity, Hi-Pot, and RF tested

Configuration

Connector 1	N Male
Connector 2	SMA Male
Cable Type	ET38354

Electrical Specifications

Frequency Range	DC to 18 GHz
Impedance	50 Ohms
Maximum VSWR	1.35:1
Velocity of Propagation	83 %
RF Shielding	95 dB

Typical Performance by Frequency

Frequency 1

Frequency	400 MHz
Insertion Loss	0.2 dB
Power Handling, KWatts	2.9

Frequency 2

Frequency	1000 MHz
Insertion Loss	0.3 dB
Power Handling	1.8 KWatts

Frequency 3

Frequency	2 GHz
Insertion Loss	0.42 dB
Power Handling	1.2 KWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to SMA Male with Reduced Diameter SMA Body Low Loss Test Cable 72 Inch Length Using ET38354 Coax, RoHS ET26813

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Frequency 4

Frequency
Insertion Loss
Power Handling

3 GHz
0.48 dB
1.05 KWatts

Frequency 5

Frequency
Insertion Loss
Power Handling

5 GHz
0.66 dB
850 Watts

Frequency 6

Frequency
Insertion Loss
Power Handling
10 GHz
1.28 dB
600 Watts

Frequency 7

Frequency
Insertion Loss
Power Handling
18 GHz
1.32 dB
400 Watts

Electrical Specification Notes:

Power handling values are calculated based on Cable properties. Power handling will vary based on the actual VSWP of the cable assembly

VSWR of the cable assembly.

Mechanical Specifications

Temperature

Temperature Operating Range -55 to +125 deg C

Size

 Length
 72 in [182.88 cm]

 Diameter
 0.75 in [19.05 mm]

 Weight
 0.1 lbs [45.36 g]

Cable Color Green

Repeated Minimum Bend Radius 1.5 in [38.1 mm]

Cable

Cable Type
Cable Inner Conductor

ET38354
Copper, Silver

No of Shields 2

Cable Outer Conductor

Dielectric Type

PTFE

Jacket Material FEP

Jacket Diameter 0.3 in [7.62 mm]

Connector 1

Type N Male

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Configuration

Inner Conductor Material and Plating Inner Conductor Plating Specification Outer Conductor Material and Plating Outer Conductor Plating Specification Coupling Nut Material and Plating Coupling Nut Plating Specification

Hex Size Torque

Body Material and Plating Body Plating Specification

Dielectric Type

Connector 2

Type

Connector 2 Specification

Configuration

Inner Conductor Material and Plating Inner Conductor Plating Specification Outer Conductor Material and Plating Outer Conductor Plating Specification Coupling Nut Material and Plating Coupling Nut Plating Specification

Hex Size Torque

Body Material and Plating Body Plating Specification

Dielectric Type

Straight

Beryllium Copper, Gold ASTM-B488 50μ ln. Passivated Stainless Steel SAE-AMS-2700

Passivated Stainless Steel

SAE-AMS-2700

3/4 Inch

14 in-lbs [1.58 Nm]

Passivated Stainless Steel

SAE-AMS-2700

PTFE

SMA Male

MIL-STD-348, Figure 310-1.

Straight

Beryllium Copper, Gold ASTM-B488 50µ ln. Passivated Stainless Steel

SAE-AMS-2700

Passivated Stainless Steel

SAE-AMS-2700

5/16 Inch

8 in-lbs [0.9 Nm]

Passivated Stainless Steel

SAE-AMS-2700

PTFE

Compliance Certifications (visit for current document) RoHS Compliant

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www.ebeestock.com

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Plotted and Other Data

Notes:

Values at +25 °C, sea level

N Male to SMA Male with Reduced Diameter SMA Body Low Loss Test Cable 72 Inch Length Using ET38354 Coax, RoHS from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/n-male-to-sma-male-with-reduced-diameter-sma-body-low-loss-test-cable-12-inch-length-using-pe-p300ll-coax-rohs-0026808

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ET26813 CAD Drawing

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