75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm ET38344 Yellow Coax

RF Cable Assemblies Technical Data Sheet ET25412

Configuration

- Connector 1: Mini SMB Plug
- Connector 2: BNC Male
- Cable Type: MINI 59

Features

- Max Frequency 4.5 GHz
- 83% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Ebeestock's ET25412 75 ohm Mini SMB plug to 75 ohm BNC male 24 inch cable using 75 ohm ET-B159-YW coax is part of our full line of RF components available for same-day shipping. Ebeestock's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Ebeestock Mini SMB to BNC cable assembly has a plug to male gender configuration with 75 ohm flexible MINI 59 coax. The ET25412 Mini SMB plug to BNC male cable assem- bly operates to 4.5 GHz. The double shielding of this Ebeestock cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other avail- able RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom label- ing. RF testing can also be performed to document the electrical performance of your cable assembly.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm ET-B159-YW Yellow Coax ET25412

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

Webstie:www.ebeestock.com Email:sales@ebeestock.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4.5	GHz
Velocity of Propagation		83		%
Capacitance		16.5 [54.13]		pF/ft [pF/m]
DC Current			5	Amps
Operating Voltage (AC)			300	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.25	3	4.5		GHz
Insertion Loss (Typ.)	0.119	0.54	1.44	1.86		dB
Return Loss (Max.)	36	24	20	17		dB

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.57 in [14.48 mm]
Weight	0.0868 lbs [39.37 g]

Cable

Cable Type	MINI 59
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Yellow
Jacket Diameter	0.159 in [4.04 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]

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Connectors

Description	Connector 1	Connector 2
Type	Mini SMB Plug	BNC Male
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Dielectric Type	Delrin, Teflon	HDPE
Body Material and Plating	Brass, Nickel	Brass, Nickel

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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RF Cable Assemblies Technical Data Sheet ET25412

How to Order

Part Number Configuration: **ET38040/YW - xx uu**

- ET38040/YW — Base Number
- xx — Length
- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches

Example: ET38040/YW-12 = 12 inches long cable
ET38040/YW-100cm = 100 cm long cable

75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm ET-B159-YW Yellow Coax from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm ET-B159-YW Yellow Coax ET25412

URL: https://www.ebeestock.com/75-ohm-mini-smb-plug-to-75-ohm-bnc-male-cable-12-inch-length-using-75-ohm-pe-b159-yw-yellow-coax-0025411

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

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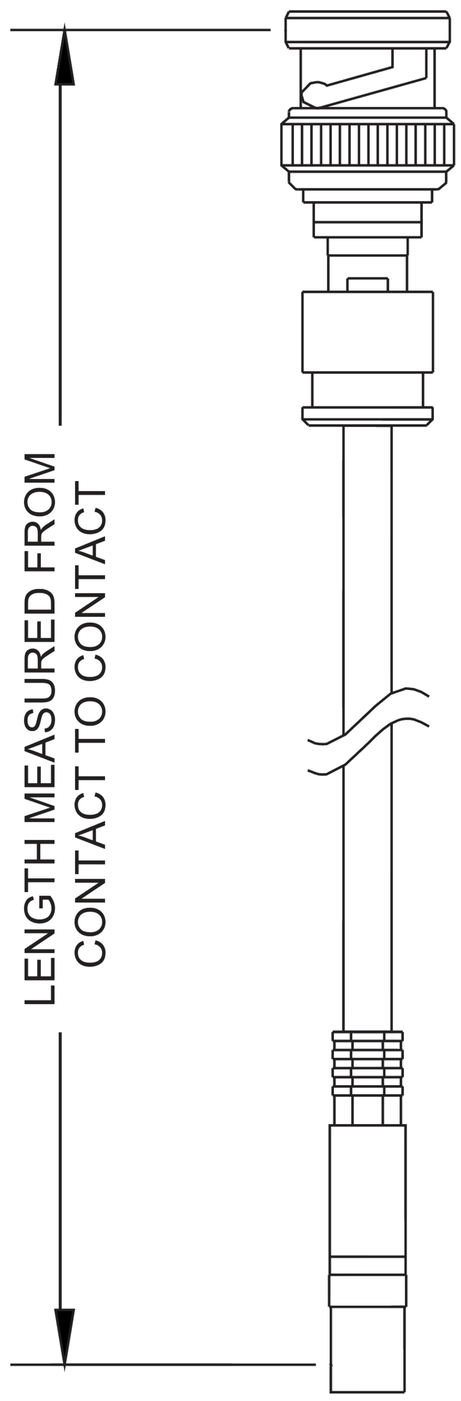
ET25412 CAD Drawing

75 Ohm Mini SMB Plug to 75 Ohm BNC Male Cable 24 Inch Length Using 75 Ohm ET-B159-YW Yellow Coax



Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
-12	12"	-25CM	25Cm
-24	24"	-50CM	50Cm
-36	36"	-75CM	75Cm
-48	48"	-100CM	100Cm
-60	60"	-125CM	125Cm
-xx	Custom Length	-xxCM	Custom Length

How To Order

Part Number Configuration

PE3 [/ / /] [yy] - [xx] [uu]

00 - 99999

LF = RoHS Compliant
< Blank > = Standard

CM = Centimeters
< Blank > = Inches

Length

Note: LF applies only to RF cables

Examples

PE3000LF-100
PE3000-100
PE3000LF-100CM
PE3000-100CM

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE

PE38040-YW

SIZE A | SCALE N/A | CAD FILE 41613

FSCM NO. 53919

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