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RF Cable Assemblies Technical Data Sheet

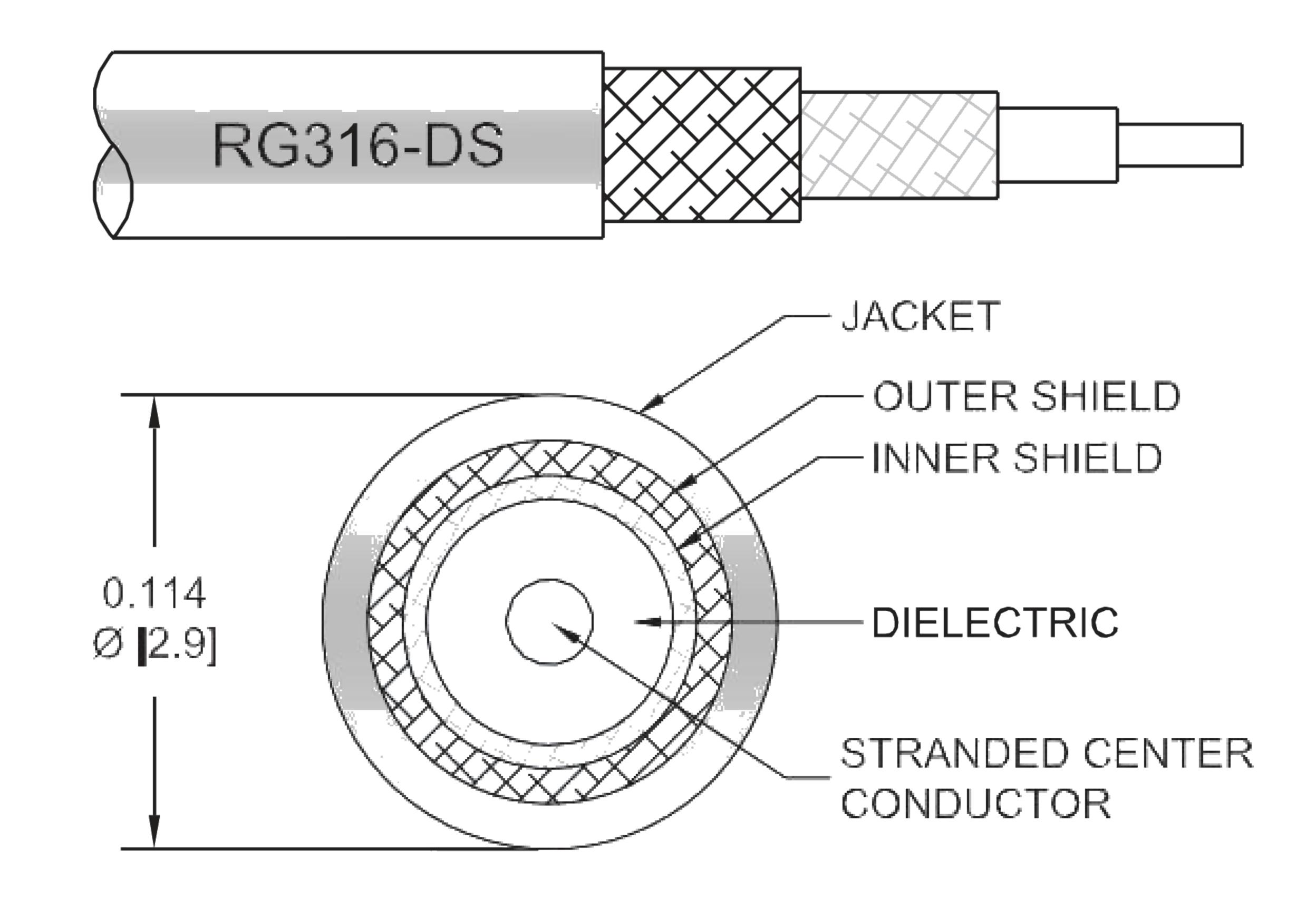
ET26242

Configuration

Connector 1: MMCX Plug
Connector 2: MMCX Plug
Cable Type: ET38399

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET26242 MMCX plug to MMCX plug 24 inch cable using ET38399 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 MMCX to MMCX cable assembly has a plug to plug gender configuration with 50 ohm flexible ET38399 coax. The ET26242 MMCX plug to MMCX plug cable assembly operates to 3 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 available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MMCX Plug to MMCX Plug Cable 24 Inch Length Using ET38399 Coax ET26242



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.36	0.442	0.557	0.722	1.134	dB
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Mechanical Specifications

Cable Assembly

Jacket Diameter

 Length*
 24 in [609.6 mm]

 Diameter
 0.18 in [4.57 mm]

 Weight
 0.038 lbs [17.24 g]

Cable

Cable Type
Impedance
Inner Conductor Type

ET38399
50 Ohms
Stranded

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type

Number of Shields

Shield Layer 1

Shield Layer 2

Jacket Material

Sopper Glad Steer, Silver Plated Copper Braid Silver Plated Copper Braid FEP, Tan

One Time Minimum Bend Radius 0.59 in [14.99 mm]

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0.114 in [2.9 mm]



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Connectors

Description	Connector 1	Connector 2	
Туре	MMCX Plug	MMCX Plug	
Specification	BS EN 122340	BS EN 122340	
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	30μ in. minimum	30µ in. minimum	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Brass, Gold	Brass, Gold	
Body Plating Specification	3μ in. minimum	3μ in. minimum	

Mechanical Specification Notes:

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.



Base Number

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How to Order

Part Number Configuration:

ET38679 - xx uu

Unit of Measure:

cm = Centimeters

Length

Example: ET38679-12 = 12 inches long cable

ET38679-100cm = 100 cm long cable

MMCX Plug to MMCX Plug Cable 24 Inch Length Using ET38399 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: MMCX Plug to MMCX Plug Cable 24 Inch Length Using ET38399 Coax ET26242

URL: https://www.ebeestock.com/mmcx-plug-to-mmcx-plug-cable-12-inch-length-using-rg316-ds-coax-0026241

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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ET26242 CAD Drawing

MMCX Plug to MMCX Plug Cable 24 Inch Length Using ET38399 Coax

