



RF Cable Assemblies Technical Data Sheet

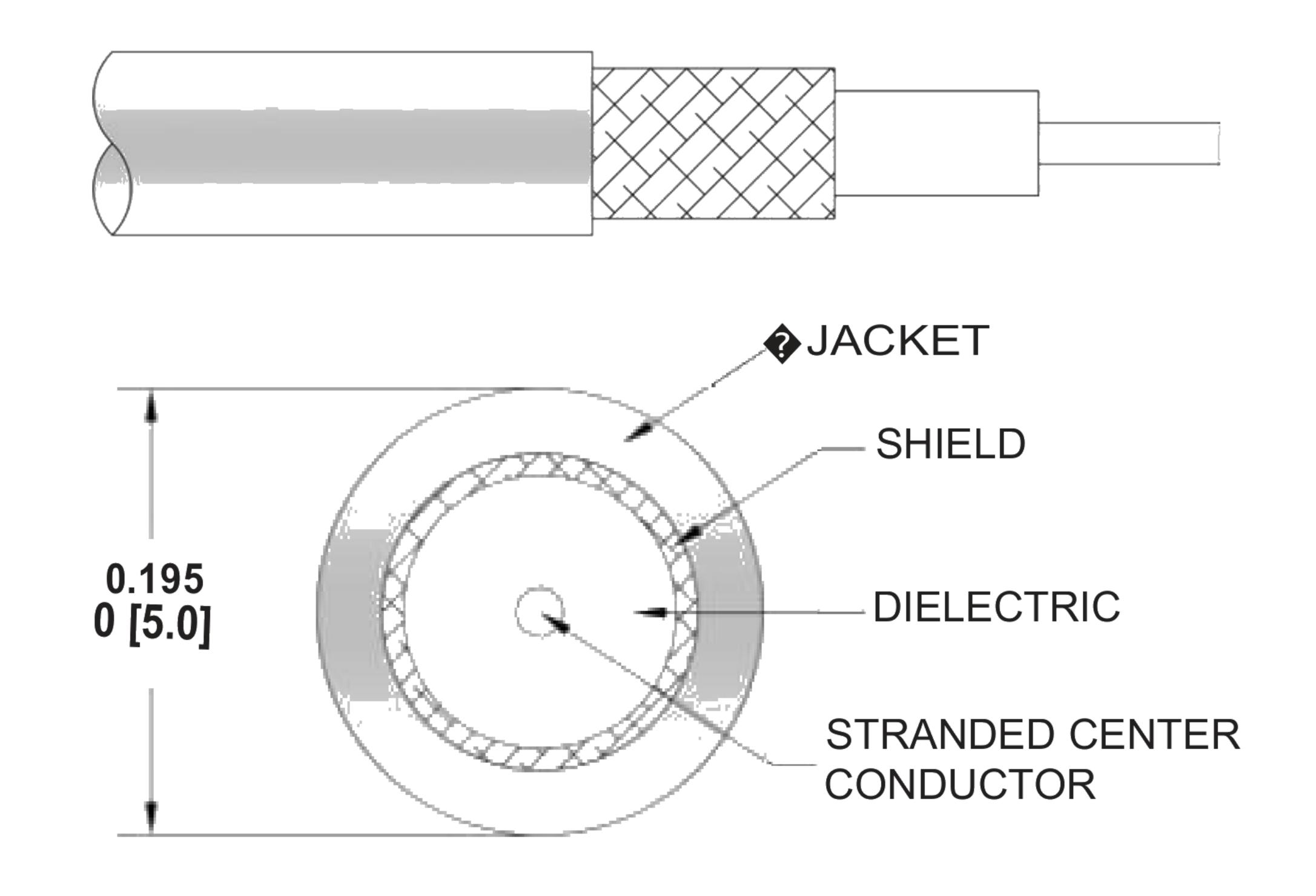
ET30148

Configuration

Connector 1: SHV Plug
Connector 2: SHV Plug
Cable Type: ET-RG58

Features

- Max Frequency 300 MHz
 Shielding Effectivity > 45 dB
- 65.9% Phase Velocity
- PVC (NC) Jacket



Applications

General Purpose

Laboratory Use

Description

Ebeestock's ET30148 SHV plug to SHV plug 48 inch cable using ET-RG58 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 SHV to SHV cable assembly has a plug to plug gender configuration with 50 ohm flexible ET-RG58 coax. The ET30148 SHV plug to SHV plug cable assembly operates to 300 MHz.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SHV Plug to SHV Plug Cable 48 Inch Length Using ET-RG58 Coax, LF Solder ET30148





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
RF Shielding	45			dB
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,900	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	300			MHz
Insertion Loss (Typ.)	0.332	0.395	0.575			dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

 Length*
 48 in [121.92 cm]

 Diameter
 0.571 in [14.5 mm]

 Weight
 0.165 lbs [74.84 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields

ET-RG58
50 Ohms
Stranded
Copper, Tin
PE

Shield Layer 1
Jacket Material
PVC (NC), Black
Jacket Diameter
0.195 in [4.95 mm]

One Time Minimum Bend Radius 2 in [50.8 mm]

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





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Connectors

Description	Connector 1	Connector 2	
Type	SHV Plug	SHV Plug	
Specification	MIL-STD-348A	MIL-STD-348A	
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, Nickel	Brass, Nickel	
Body Plating Specification	100μ in. minimum	100μ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel	
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum	

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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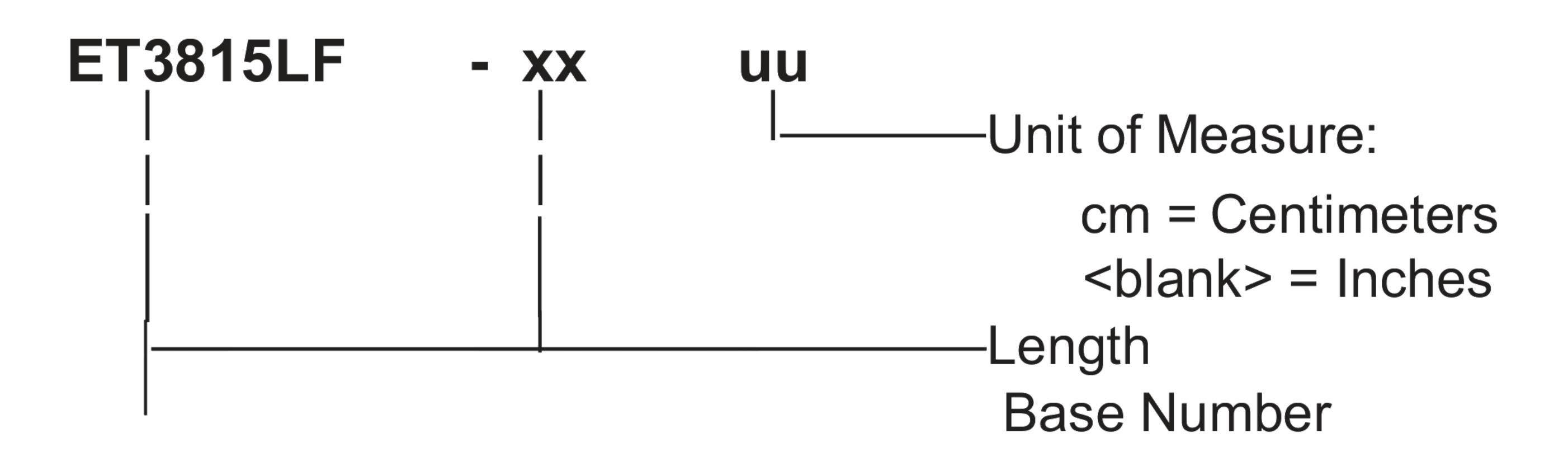


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How to Order

Part Number Configuration:



Example: ET3815LF-12 = 12 inches long cable

ET3815LF-100cm = 100 cm long cable

SHV Plug to SHV Plug Cable 48 Inch Length Using ET-RG58 Coax, LF Solder 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.

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URL: https://www.ebeestock.com/shv-plug-to-shv-plug-cable-12-inch-length-using-rg58-coax-lf-sol der-0030145

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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