



RF Cable Assemblies Technical Data Sheet

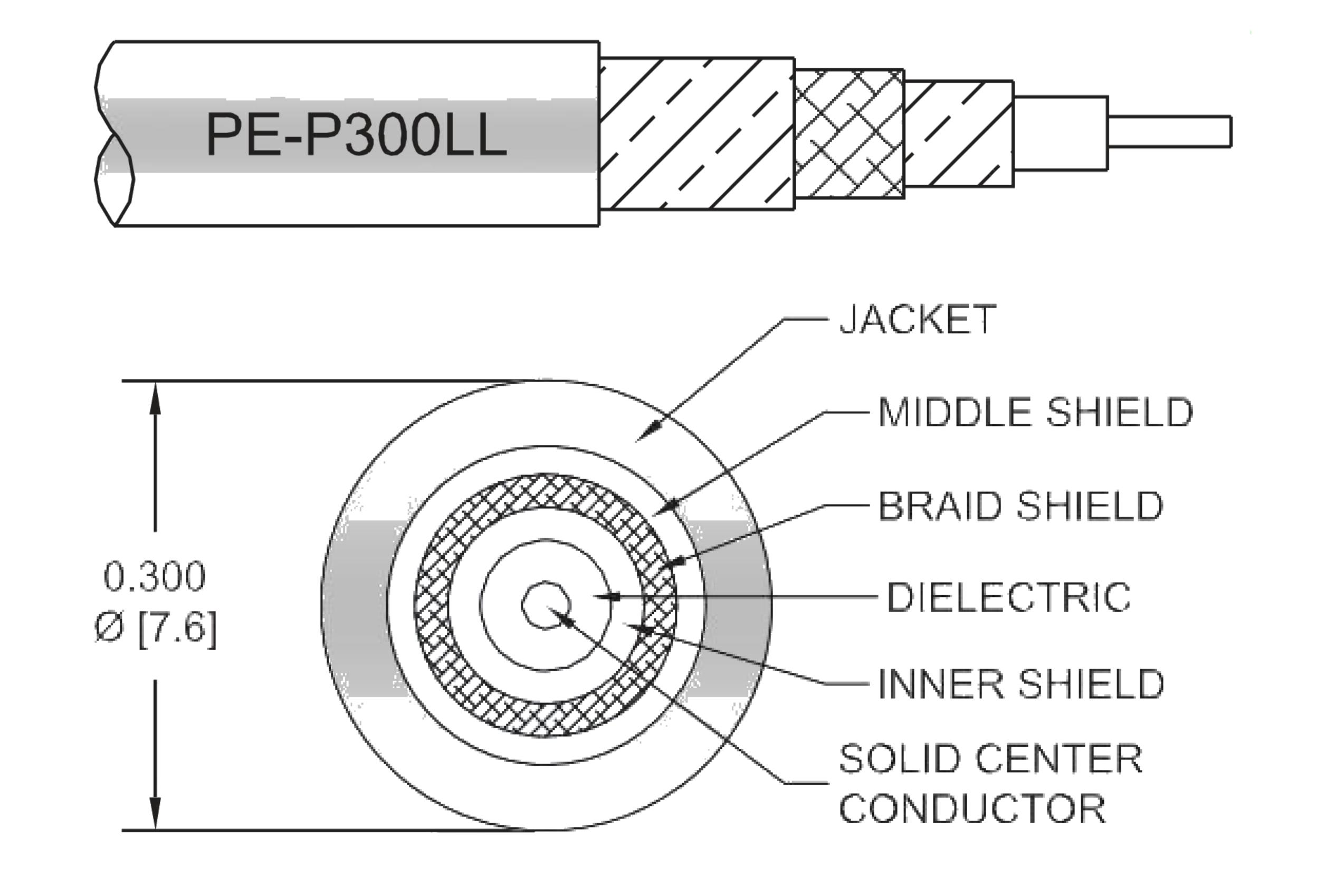
ET26631

Configuration

Connector 1: N Male
Connector 2: SMA Male
Cable Type: ET38354

Features

- 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 and RF tested



Description

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 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 and RF tested to published specifications. Custom lengths are built to order and shipped same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	
Velocity of Propagation		83		%
RF Shielding	95			dB
Capacitance		25 [82.02]		pF/ft [pF/m]

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 Low Loss Test Cable 200 CM Length Using ET38354 Coax, RoHS ET26631





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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.6	0.72	0.98	1.37	1.9	dB
Insertion Loss (Typ.)	0.53	0.66	0.85	1.18	1.63	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

Mechanical Specifications

Cable Assembly

Length* 78.74 in [200 cm]
Diameter 0.75 in [19.05 mm]

Cable

Cable Type
Impedance
Inner Conductor Type
Solid

Inner Conductor Material and Plating

Copper, Silver

Dielectric Type

Number of Shields

Number of Shields

Shield Layer 1

Shield Layer 2

Shield Layer 3

Silver Plated Copper Tape
Aluminum Polyester
Silver Plated Copper Wire

Outer Conductor Material and Plating

Copper, Silver

Jacket Material

FEP, Green

Jacket Diameter

0.3 in [7.62 mm]

Repeated Minimum Bend Radius 1.5 in [38.1 mm]

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Connectors

Description	Connector 1	Connector 2 SMA Male	
Type	N Male		
Specification		MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Mating Cycles	500	500	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Contact Plating Specification	ASTM-B488 50μ In.	ASTM-B488 50μ In.	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Outer Conductor Plating Specification	SAE-AMS-2700	SAE-AMS-2700	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700	
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700	
Hex Size	3/4 Inch	5/16 Inch	
Torque	14 in-lbs [1.58 Nm]	8 in-lbs [0.9 Nm]	

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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.



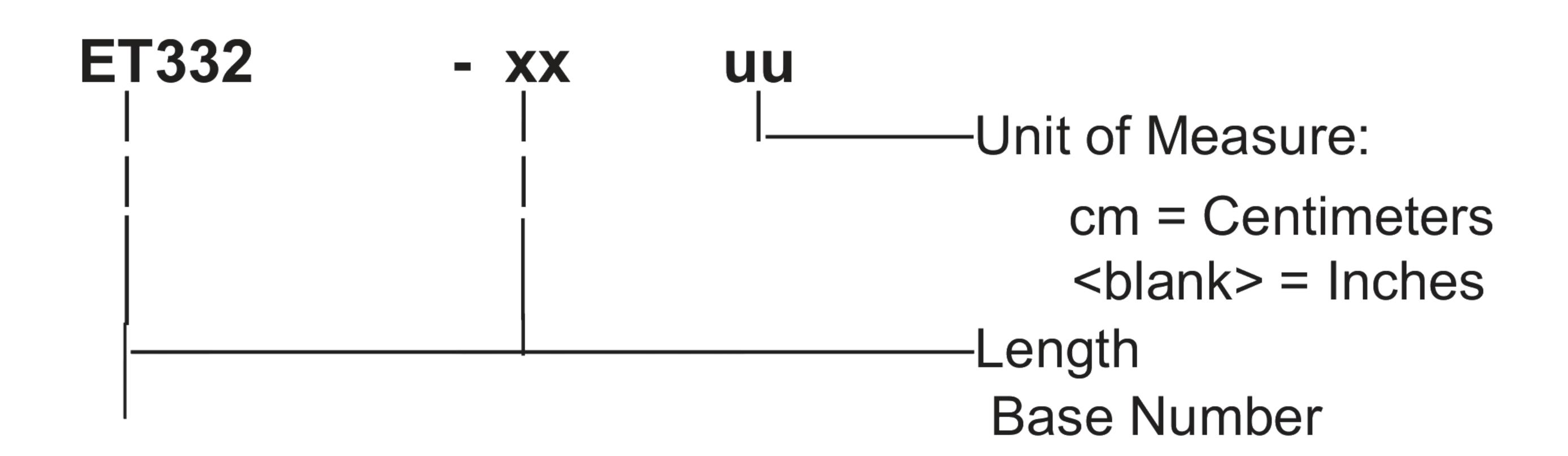


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How to Order

Part Number Configuration:



Example: ET332-12 = 12 inches long cable

ET332-100cm = 100 cm long cable

N Male to SMA Male Low Loss Test Cable 200 CM 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 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/n-male-to-n-male-cable-12-inch-length-using-rg218-coax-rohs-0026 460

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