



## RF Cable Assemblies Technical Data Sheet

ET28629

# Configuration

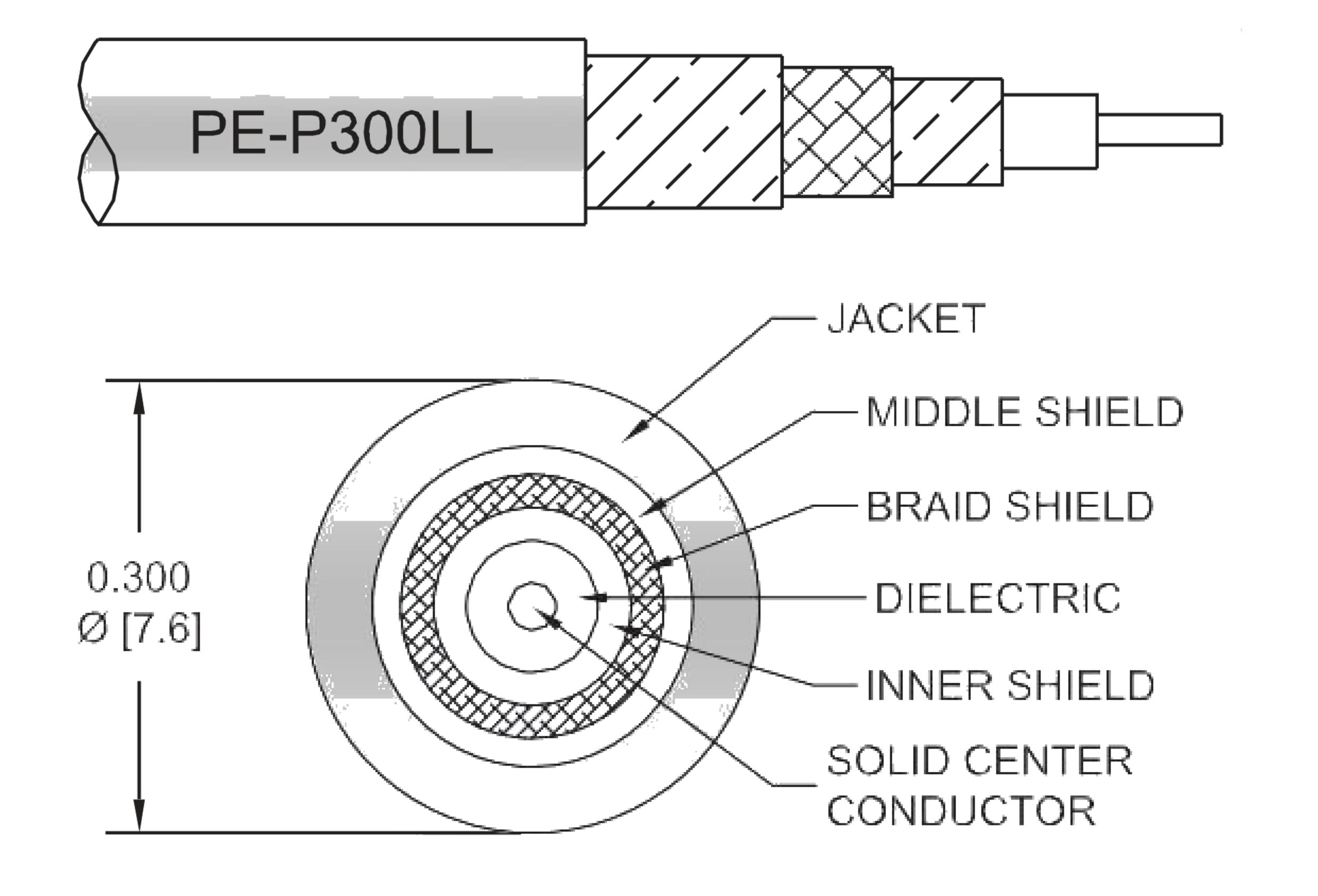
Connector 1: N Female

Connector 2: N Female Bulkhead

Cable Type: ET38354

### Features

- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR is < 1.40:1 to 18 GHz
- Minimum Bend Radius of 1.5 inches
- Operating Temperature range of -55 to +125 °C
- ROHS Compliant
- Same day shipment of custom lengths
- 100% Continuity and RF tested



## Description

The ET3C3247 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 ET3C327 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			1.4:1	
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 Female to N Female Bulkhead Low Loss Test Cable 100 cm Length Using ET38354 Coax, RoHS ET28629





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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.)	0.4	0.46	0.58	0.78	1.03	dB
Insertion Loss (Typ.)	0.36	0.42	0.52	0.68	0.9	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

## Mechanical Specifications

#### Cable Assembly

 Length\*
 39.37 in [100 cm]

 Diameter
 0.875 in [22.23 mm]

 Weight
 3.304 lbs [1.5 Kg]

#### Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating

ET38354

50 Ohms

Solid
Copper, Silver

Dielectric Type

Number of Shields

Shield Layer 1

Shield Layer 2

Shield Layer 3

Jacket Material

Jacket Diameter

PTFE

3

Silver Plated Copper Tape
Aluminum Polyester

Silver Plated Copper Wire

FEP, Green

0.3 in [7.62 mm]

Repeated Minimum Bend Radius 1.5 in [38.1 mm]

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#### Connectors

Connector 1	Connector 2  N Female Bulkhead	
N Female		
MIL-STD-348	MIL-STD-348	
50 Ohms	50 Ohms	
	500	
Beryllium Copper, Gold	Beryllium Copper, Gold over Nicke	
ASTM-B488 50µ in. minimum	50 μin minimum	
PEI	PEI	
Passivated Stainless Steel	Passivated Stainless Steel	
SAE-AMS-2700	SAE-AMS-2700	
Passivated Stainless Steel	Passivated Stainless Steel	
SAE-AMS-2700	SAE-AMS-2700	
	20 in-lbs [2.26 Nm]	
	N Female MIL-STD-348 50 Ohms  Beryllium Copper, Gold ASTM-B488 50µ in. minimum PEI Passivated Stainless Steel SAE-AMS-2700 Passivated Stainless Steel	

Mechanical Specification Notes:

## **Environmental Specifications**

Temperature

Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

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<sup>\*</sup>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:

ET3C3247 - xx uu

Unit of Measure:

cm = Centimeters

<br/>
<br/>
<br/>
<br/>
chlank> = Inches

Base Number

Example: ET3C3247-12 = 12 inches long cable

ET28629 = 100 cm long cable

N Female to N Female Bulkhead Low Loss Test Cable 100 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% 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: N Female to N Female Bulkhead Low Loss Test Cable 100 cm Length Using ET38354 Coax, RoHS ET28629

**URL:** https://www.ebeestock.com/n-female-to-n-female-bulkhead-low-loss-test-cable-12-inch-length-using-pe-p300ll-coax-0028623

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.

ET28629 CAD Drawing

N Female to N Female Bulkhead Low Loss Test Cable 100 cm Length Using ET38354 Coax, RoHS

