Straight Cut Lead to TNC Female Bulkhead Cable Using RG316 Coax with HeatShrink
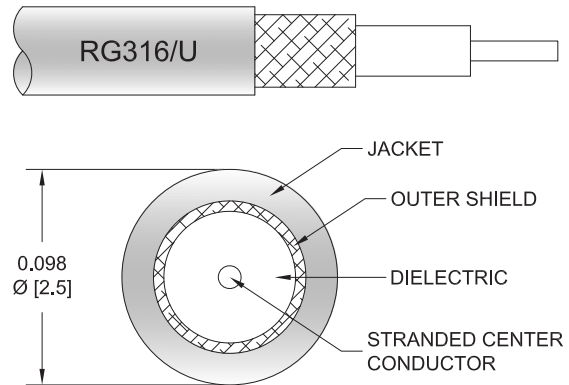
PE3C2745/HS

Configuration

- Connector 1: Straight Cut Lead
- Connector 2: TNC Female Bulkhead
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- 69% Phase Velocity
- FEP Jacket

RG316/U

JACKET
OUTER SHIELD
DIELECTRIC
STRANDED CENTER CONDUCTOR

0.098 Ø [2.5]

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2745/HS Straight Cut lead to 50 ohm TNC female bulkhead cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly
Width/Diameter	0.5 in [12.7 mm]
Weight	0.045 lbs [20.41 g]

Cable
Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE

Straight Cut Lead to TNC Female Bulkhead
Cable Using RG316 Coax with HeatShrink

PE3C2745/HS

Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

Connectors

Description	Connector 1	Connector 2
Type	Straight Cut Lead	TNC Female Bulkhead
Specification		MIL-STD-348A
Impedance	0 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type		PTFE
Body Material and Plating		Brass, Nickel
Body Plating Specification		100 µin minimum

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Straight Cut Lead to TNC Female Bulkhead Cable Using RG316 Coax with HeatShrink

PE3C2745/HS

Typical Performance Data

How to Order

Part Number Configuration: **PE3C2745/HS**   - xx   uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3C2745/HS-12 = 12 inches long cable
PE3C2745/HS-100cm = 100 cm long cable

Straight Cut Lead to TNC Female Bulkhead Cable Using RG316 Coax with HeatShrink from Pasternack 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: Straight Cut Lead to TNC Female Bulkhead Cable Using RG316 Coax with HeatShrink PE3C2745/HS

URL: https://www.pasternack.com/straight-cut-lead-to-tnc-female-bulkhead-cable-using-rg316-with-heatshrink-pe3c2745-hs-p.aspx

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C2745/HS CAD Drawing

Straight Cut Lead to TNC Female Bulkhead Cable Using RG316 Coax with HeatShrink

STRAIGHT CUT

LABEL
SEE NOTE 1

WWW.PASTERNACK.COM
PEXXXXXXX-XX

LENGTH
SEE NOTE 2

RG316/U
COAX CABLE

HEAT SHRINK

11/16 HEX

.150
[3.81]
MAX PANEL

.70
[17.9]

TNC FEMALE
BULKHEAD
CONNECTOR

5/8 HEX

⌀ .472
[11.99]
MIN

⌀ .505 [12.83]
MIN

RECOMMENDED
MOUNTING HOLE

NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

Revision

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	5/20/2024	KDANG	AGANWANI

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
X = ±.2 [5]
.XX = ±.02 [0.5]
.XXX = ±.005 [0.13]

FRACTIONS
± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

PE PASTERNACK®
an INFINITE brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
STRAIGHT CUT LEAD TO TNC FEMALE BULKHEAD CABLE USING RG316 COAX WITH HEATSHRINK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3C2745/HS	A

SCALE NONE
SHEET 1 OF 1

PE DS Rev-D4 Asize

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