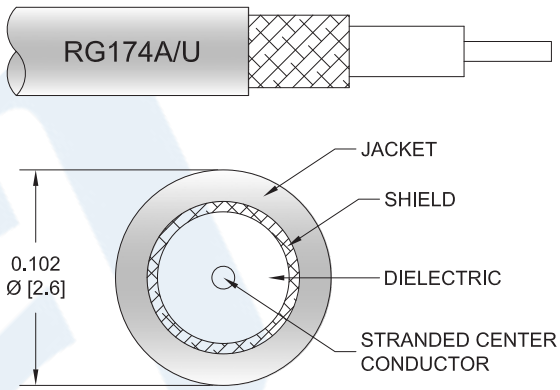
PASTERNACK
an INFINITE brand

D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax

RF Cable Assemblies Technical Data Sheet PE3C6769

Configuration

- Connector 1: D-Subminiature Receptacle
- Connector 2: D-Subminiature Receptacle
- Cable Type: RG174



Features

- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6769 D-Sub receptacle to D-Sub receptacle cable using RG174 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. This Pasternack D-Sub to D-Sub cable assembly has a receptacle to receptacle gender configuration with 50 ohm flexible RG174 coax.

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		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight	0.018 lbs [8.16 g]

Cable

Cable Type	RG174

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax PE3C6769

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	D-Subminiature Receptacle	D-Subminiature Receptacle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold

Environmental Specifications

Temperature

Operating Range	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3C6769 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C6769 — Base Number

Example: PE3C6769-12 = 12 inches long cable
PE3C6769-100cm = 100 cm long cable

D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax 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: D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax PE3C6769

URL: https://www.pasternack.com/d-sub-receptacle-to-d-sub-receptacle-cable-using-rg174-pe3c6769-p.aspx

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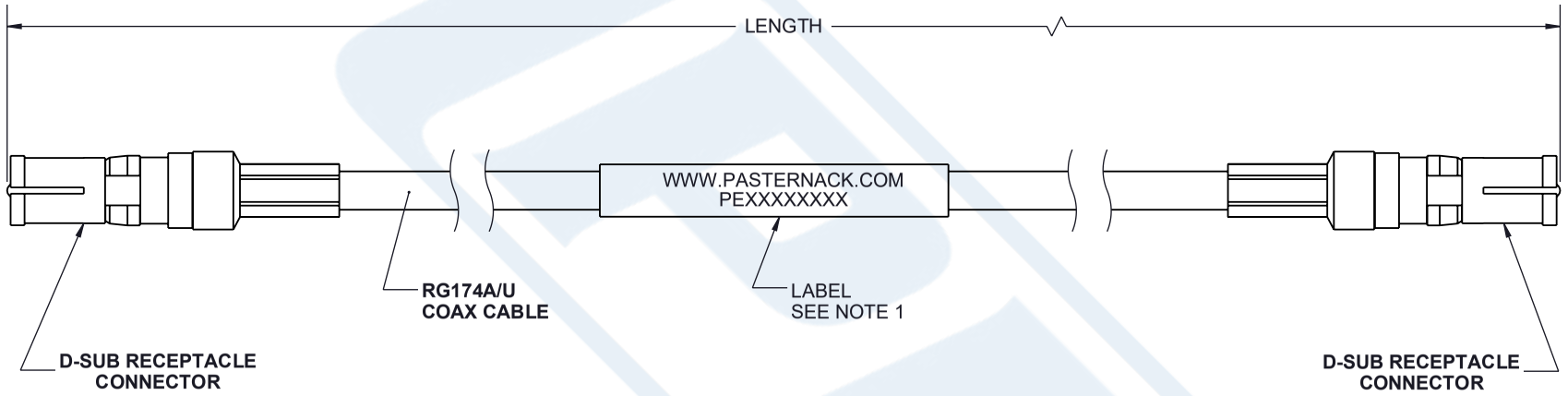
PE3C6769 CAD Drawing

D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax

REVISION					
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	12/19/2022	KDANG	AGANWANI



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. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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

TOLERANCES:

.X = ± .2 [5]
.XX = ± .02 [.5]
.XXX = ± .005 [.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.

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Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION: D-Sub Receptacle to D-Sub Receptacle Cable Using RG174 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	PE3C6769	A

PE3C6769 REV 1.0

T-Rev.D