



Bordeaux FAKRA Plug to FAKRA Jack Cable
 36 Inch Length Using PE-C100-LSZH Coax

RF Cable Assemblies - PE38748D-36

Configuration

- Connector 1: FAKRA Plug
- Connector 2: FAKRA Jack
- Cable Type: PE-C100-LSZH

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 4 | GHz |
| VSWR | | | 1.4:1 | |
| Velocity of Propagation | | 66 | | % |
| RF Shielding | 90 | | | dB |
| Capacitance | | 30.8 [101.05] | | pF/ft [pF/m] |
| Inductance | | 0.077 [0.25] | | uH/ft [uH/m] |
| Jacket Spark | | | 2,000 | Vrms |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|----------------|-------|--------|--------|--------|--------|-------|
| Frequency | 100 | 250 | 500 | 1000 | 4 | MHz |
| Insertion Loss | 0.41 | 0.546 | 0.699 | 0.909 | 1.668 | dB |
| VSWR | 1.4:1 | 1.4:1 | 1.4:1 | 1.4:1 | 1.4:1 | |
| Return Loss | 15.56 | 15.563 | 15.563 | 15.563 | 15.563 | dB |

Mechanical Specifications

Cable Assembly

| | |
|------------------------------|------------------------|
| Length | 36 in [914.4 mm] |
| Diameter | 0.37 in [9.4 mm] |
| Weight | 0.03 lbs [13.61 g] |
| Cable Color | Black |
| Connection Type | In-Series |
| One Time Minimum Bend Radius | 0.25 in [6.35 mm] |
| Repeated Minimum Bend Radius | 1 in [25.4 mm] |
| Bending Moment | 0.1 lbs/ft [0.15 Kg/m] |
| Flat Plate Crush | 10 lbs/in [0.18 Kg/mm] |
| Tensile Strength | 15 lbs [6.8 Kg] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bordeaux FAKRA Plug to FAKRA Jack Cable 36 Inch Length Using PE-C100-LSZH Coax PE38748D-36](#)



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Cable

| | |
|--------------------------------------|---------------------|
| Cable Type | PE-C100-LSZH |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel |
| Dielectric Type | PE |
| Number of Shields | 2 |
| Shield Layer 1 | Aluminum Tape |
| Shield Layer 2 | Tinned Copper Braid |
| Jacket Material | LSZH |
| Jacket Diameter | 0.109 in [2.77 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|--------------------------------------|-----------------------|-----------------------|
| Type | FAKRA Plug | FAKRA Jack |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Connection Method | Standard | Standard |
| Contact Material and Plating | Phosphor Bronze, Gold | Phosphor Bronze, Gold |
| Dielectric Type | Teflon | Teflon |
| Outer Conductor Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Material and Plating | Plastic, Paint | Plastic |

Environmental Specifications

Compliance Certifications (visit www.Pasternack.com for current document)

For RoHS Compliant version, use PE38748dLF-36. Contact Pasternack if product cannot be found.
REACH Compliant 12/15/2010

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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PE38748D-36 CAD Drawing

Bordeaux FAKRA Plug to FAKRA Jack Cable 36 Inch Length Using PE-C100-LSZH Coax



PE-C100

BORDEAUX FAKRA
PLUG

FAKRA JACK

| How To Order | | Part # Ext. | Length In Inches | Part # Ext. | Length In Centimeters |
|--|--|-------------|------------------|-------------|-----------------------|
| Part Number Configuration PE3 <input type="text" value="zzz"/> <input type="text" value="yy"/> <input type="text" value="xx"/> <input type="text" value="uu"/> 00 - 99999 LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables | | -12 | 12" | -25CM | 25Cm |
| Examples PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM | | -24 | 24" | -50CM | 50Cm |
| | | -36 | 36" | -75CM | 75Cm |
| | | -48 | 48" | -100CM | 100Cm |
| | | -60 | 60" | -125CM | 125Cm |
| | | -xx | Custom Length | -xxCM | Custom Length |

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES (mm).
 4. LENGTH TOLERANCE IS ± 1.5% OR 3/8", WHICHEVER IS GREATER.

DWG TITLE
PE38748D

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FSCM NO. 53919

CAD FILE 41613 SCALE N/A SIZE A