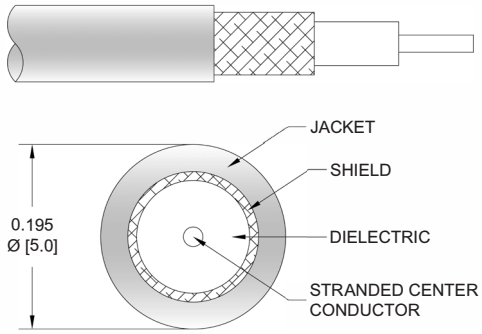
QMA Male to SMA Male Cable Using RG58 Coax, LF Solder

PE38275LF

Configuration

- Connector 1: QMA Male
- Connector 2: SMA Male
- Cable Type: RG58
- Coax Flex Type: Flexible



Features

- Max Frequency 5 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE38275LF QMA male to SMA male cable using RG58 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 QMA to SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG58 coax. The PE38275LF QMA male to SMA male cable assembly operates to 5 GHz.

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
Frequency Range	DC		5	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			333	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	5000	MHz	
PE38275LF	Custom Lengths Available	Insertion Loss (Typ.)	0.074	0.116	0.2	0.35	0.6	dB/ft	
			0.25	0.39	0.66	1.15	1.97	dB/m	
PE38275LF-12	12 In	Insertion Loss (Typ.)	0.28	0.32	0.4	0.55	0.8	dB	0.055
PE38275LF-24	24 In	Insertion Loss (Typ.)	0.35	0.44	0.6	0.9	1.4	dB	0.079
PE38275LF-36	36 In	Insertion Loss (Typ.)	0.43	0.55	0.8	1.25	2	dB	0.103
PE38275LF-48	48 In	Insertion Loss (Typ.)	0.5	0.67	1	1.6	2.6	dB	0.127
PE38275LF-200CM	200 CM	Insertion Loss (Typ.)	0.69	0.97	1.52	2.5	4.14	dB	0.189

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1	dB
Loss due to Connector 2:	0.1	dB
Base Weight:	0.055	pounds
Additional Weight per Inch:	0.002	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.055 lbs [24.95 g]

Cable

Cable Type	RG58
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC (NC), Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.98 in [24.89 mm]
Repeated Minimum Bend Radius	1.96 in [49.78 mm]

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Connectors

Description	Connector 1	Connector 2
Type	QMA Male	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Phosphor Bronze, Tri-Metal	
Body Material and Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum
Hex Size		5/16 inch
Torque		3 in-lbs 0.34 Nm

Environmental Specifications

Operating Range Temperature	-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **PE38275LF - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE38275LF — Base Number

Example: PE38275LF-12 = 12 inches long cable
PE38275LF-100cm = 100 cm long cable

QMA Male to SMA Male Cable Using RG58 Coax, LF Solder 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: QMA Male to SMA Male Cable Using RG58 Coax, LF Solder PE38275LF

URL: https://www.pasternack.com/qma-male-to-sma-male-cable-using-rg58-lf-solder-pe38275lf-p.aspx

PE38275LF CAD Drawing

QMA Male to SMA Male Cable Using RG58 Coax, LF Solder