

Plenum QMA Male to SMA Female Low PIM Cable 200 cm Length Using ET38365 Coax, LF Solder



OUTER SHIELD

DIELECTRIC

## RF Cable Assemblies Technical Data Sheet

ET29716

# Configuration

Connector 1: QMA Male
Connector 2: SMA Female
Cable Type: ET38365

## Features

- Max Frequency 5.8 GHz
- Low PIM: -150 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- 100% Tested with PIM Test Results Marked on Cable
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)

# Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Distributed Antenna Systems (DAS)
- Plenum Installations
- Multi-Carrier Communication
- PIM Testing

Systems

# 

SPP-250-LLPL

#### Description

Ebeestock's ET29716 QMA male to SMA female 200 cm cable using ET38365 coax is part of our full line of RF components available for same-day shipping. Ebeestock's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Ebeestock QMA to SMA cable assembly has a male to female gender configuration with 50 ohm corrugated ET38365 coax. The ET29716 QMA male to SMA female cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -150 dBc.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum QMA Male to SMA Female Low PIM Cable 200 cm Length Using ET38365 Coax, LF Solder ET29716



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## Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation			-150	dBc
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
DC Resistance Inner Conductor		3 [9.84]		Ω/1000ft [Ω/Km]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	0.7	1	2.5	5.8	GHz
Insertion Loss (Max.)	0.31	0.39	0.46	0.75	1.17	dB

Electrical Specification Notes:

The insertion loss data above is based on the performance specifications of the coax cable used in this assembly. The insertion loss includes an estimated insertion loss of 0.04\*SQRT(FGHz) dB maximum per connector.

## Mechanical Specifications

#### Cable Assembly

Length\* 78.7402 in [200 cm]

#### Cable

Cable Type ET38365 Impedance 50 Ohms Inner Conductor Type Solid Inner Conductor Material and Plating Copper Dielectric Type PTFE Number of Shields Outer Conductor Material and Plating Copper Jacket Material FEP, Blue Jacket Diameter 0.28 in [7.11 mm] One Time Minimum Bend Radius 1.25 in [31.75 mm]

Bending Moment 0.8 lbs-ft [1.08 N-m]

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8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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#### Connectors

Connector 1	Connector 2		
QMA Male	SMA Female		
50 Ohms	50 Ohms		
Brass, Silver	Beryllium Copper, Silver		
PTFE	PTFE		
Phosphor Bronze, Tri-Metal	Brass, Tri-Metal		
Brass, Tri-Metal	Brass, Tri-Metal		
Brass, Tri-Metal			
	50 Ohms  Brass, Silver  PTFE  Phosphor Bronze, Tri-Metal  Brass, Tri-Metal		

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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www.ebeestock.com

<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:

ET3C5882
- xx uu

Unit of Measure:

cm = Centimeters

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

Base Number

Example: ET3C5882-12 = 12 inches long cable ET3C5882-100cm = 100 cm long cable

Plenum QMA Male to SMA Female Low PIM Cable 200 cm Length Using ET38365 Coax, LF Solder from Ebeestock 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: Plenum QMA Male to SMA Female Low PIM Cable 200 cm Length Using ET38365 Coax , LF Solder ET29716

**URL:** https://www.ebeestock.com/plenum-qma-male-to-sma-female-low-pim-cable-12-inch-length-using -spp-250-llpl-coax-lf-solder-0029708

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