

## Outdoor Rated Low PIM 7/16 DIN Male to 7/16 DIN Male Cable SPO-375 Coax in 60 Inch Using Times Microwave Parts

### FMCA2062-60

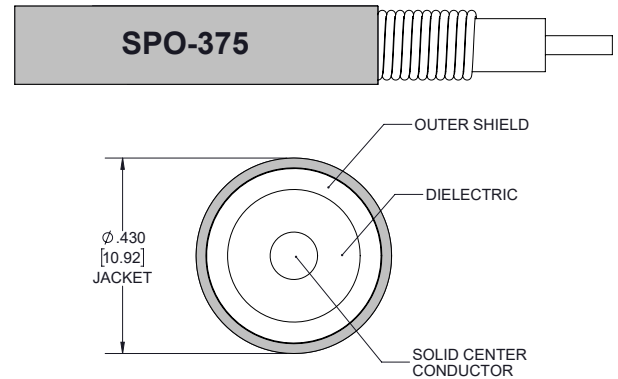


#### Configuration

- Connector 1: 7/16 DIN Male TC-SPP375-716M-LP
- Connector 2: 7/16 DIN Male TC-SPP375-716M-LP
- Cable Type: SPO-375
- Coax Flex Type: Corrugated

#### Features

- Max Frequency 3 GHz
- Low PIM: -158 dBc Max
- 83% Phase Velocity
- PE Jacket
- 100% Tested with PIM Test Results Marked on Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)
- Using Times Microwave Components



#### Applications

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

#### Description

The 7/16 DIN male to 7/16 DIN male 60 inch cable using SPO-375 coax, part number FMCA2062-60, from Fairview Microwave is in-stock and ships same day. This Fairview 7/16 DIN to 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm corrugated SPO-375 coax. Fairview Microwave's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -158 dBc. The FMCA2062-60 7/16 DIN male to 7/16 DIN male cable assembly operates to 3 GHz. Times Microwave cable is used in each assembly and TMS components are used to form connections with the super flexible low PIM cable. These cable assemblies are expertly built to satisfy your specific need with high quality Times Microwave Systems manufactured parts.

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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. 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      |         | 3       | GHz   |
| VSWR                                       |         |         | 1.4:1   |       |
| Velocity of Propagation                    |         | 83      |         | %     |
| Passive Intermodulation                    |         |         | -158    | dBc   |
| IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz |         |         |         |       |

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### Electrical Specifications

| Description | Minimum | Typical    | Maximum | Units        |
|-------------|---------|------------|---------|--------------|
| Capacitance |         | 24 [78.74] |         | pF/ft [pF/m] |

### Specifications by Frequency

| Description           | F1   | F2   | F3   | F4   | F5 | Units |
|-----------------------|------|------|------|------|----|-------|
| Frequency             | 0.5  | 1    | 2    | 3    |    | GHz   |
| Insertion Loss (Max.) | 0.35 | 0.42 | 0.51 | 0.58 |    | dB    |

Electrical Specification Notes:

PIM test results vary between cables

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

|                |                    |
|----------------|--------------------|
| Length         | 60 in [152.4 cm]   |
| Width/Diameter | 1.14 in [28.96 mm] |
| Weight         | 1 lbs [453.59 g]   |

#### Cable

|                                        |                                  |
|----------------------------------------|----------------------------------|
| Cable Type                             | SPO-375                          |
| Impedance                              | 50 Ohms                          |
| Inner Conductor Type                   | Solid                            |
| Inner Conductor Material and Plating   | Copper Clad Aluminum             |
| Dielectric Type                        | Foam PE                          |
| Number of Shields                      | 1                                |
| Shield Layer 1                         | Helically Corrugated Copper Tube |
| Outer Conductor 1 Material and Plating | Copper                           |
| Jacket Material                        | PE, Black                        |
| Jacket Diameter                        | 0.43 in [10.92 mm]               |
| One Time Minimum Bend Radius           | 1.75 in [44.45 mm]               |

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Connectors

| Description                        | Connector 1      | Connector 2      |
|------------------------------------|------------------|------------------|
| Type                               | 7/16 DIN Male    | 7/16 DIN Male    |
| Impedance                          | 50 Ohms          | 50 Ohms          |
| Configuration                      | Straight         | Straight         |
| Contact Material and Plating       | Brass, Silver    | Brass, Silver    |
| Contact Plating Specification      | 5 µin            | 5 µin            |
| Dielectric Type                    | PTFE             | PTFE             |
| Body Material and Plating          | Brass, Tri-Metal | Brass, Tri-Metal |
| Body Plating Specification         | 3 µin            | 3 µin            |
| Coupling Nut Material and Plating  | Brass, Tri-Metal | Brass, Tri-Metal |
| Coupling Nut Plating Specification | 3 µin            | 3 µin            |

Environmental Specifications

Operating Range Temperature-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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#### Typical Performance Data



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### FMCA2062-60



#### How to Order

Part Number Configuration:

**FMCA2062**    **- xx**    **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: FMCA2062-12 = 12 inches long cable  
FMCA2062-100cm = 100 cm long cable

Outdoor Rated Low PIM 7/16 DIN Male to 7/16 DIN Male Cable SPO-375 Coax in 60 Inch Using Times Microwave Parts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Outdoor Rated Low PIM 7/16 DIN Male to 7/16 DIN Male Cable SPO-375 Coax in 60 Inch Using Times Microwave Parts FMCA2062-60](https://www.fairviewmicrowave.com/low-pim-7-16-din-male-7-16-din-male-cable-spo375-coax-fmca2062-60-p.aspx)

URL: <https://www.fairviewmicrowave.com/low-pim-7-16-din-male-7-16-din-male-cable-spo375-coax-fmca2062-60-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 implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA2062-60 CAD Drawing
Outdoor Rated Low PIM 7/16 DIN Male to 7/16 DIN Male Cable
SPO-375 Coax in 60 Inch Using Times Microwave Parts

