

Outdoor Rated Low PIM 4.3-10 Male to N Male Cable SPO-500 Coax with Times Microwave Components and Heat Shrink

The 4.3-10 male to type N male cable using SPO-500 coax, part number FMC00776, from Fairview Microwave is in-stock and ships same day. This Fairview 4.3-10 to type N cable assembly has a male to male gender configuration with 50 ohm corrugated SPO-500 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 FMC00776 4.3-10 male to type N male cable assembly operates to 6 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 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	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
Passive Intermodulation			-158	dBc
Capacitance		24 [78.74]		pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	6		GHz
Insertion Loss (Typ.)	0.024	0.035	0.056	0.096		dB/ft
	0.08	0.11	0.18	0.31		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as $0.1 \times \text{SQRT}(f\text{GHz})$ dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.347 lbs [157.4 g]

Cable

Cable Type SPO-500
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Aluminum
 Dielectric Type Foam PE
 Number of Shields 1
 Outer Conductor Material and Plating Copper
 Jacket Material PE, Black
 Jacket Diameter 0.53 in [13.46 mm]



Configuration:

- 4.3-10 Male
- N Male
- SPO-500

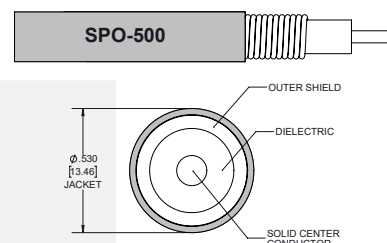
Features:

- Max Frequency 6 GHz
- Low PIM: -158 dBc Max
- 83% Phase Velocity
- PE Jacket

Applications:

- General Purpose
- Laboratory Use
- Low PIM Applications

Cable Diagram:



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One Time Minimum Bend Radius 2.25 in [57.15 mm]

Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	N Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material & Plating	Brass, Silver	Brass, Silver
Contact Plating Spec.	200 µin	200 µin
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Spec.	80 µin	80 µin
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Spec.	80 µin	80 µin
Torque		6 in-lbs 0.68 Nm

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00776 - xx uu

cm = Centimeters
 <blank> = Inches

Length

Example: FMC00776-12 = 12 inches long cable
 FMC00776-100cm = 100 cm long cable

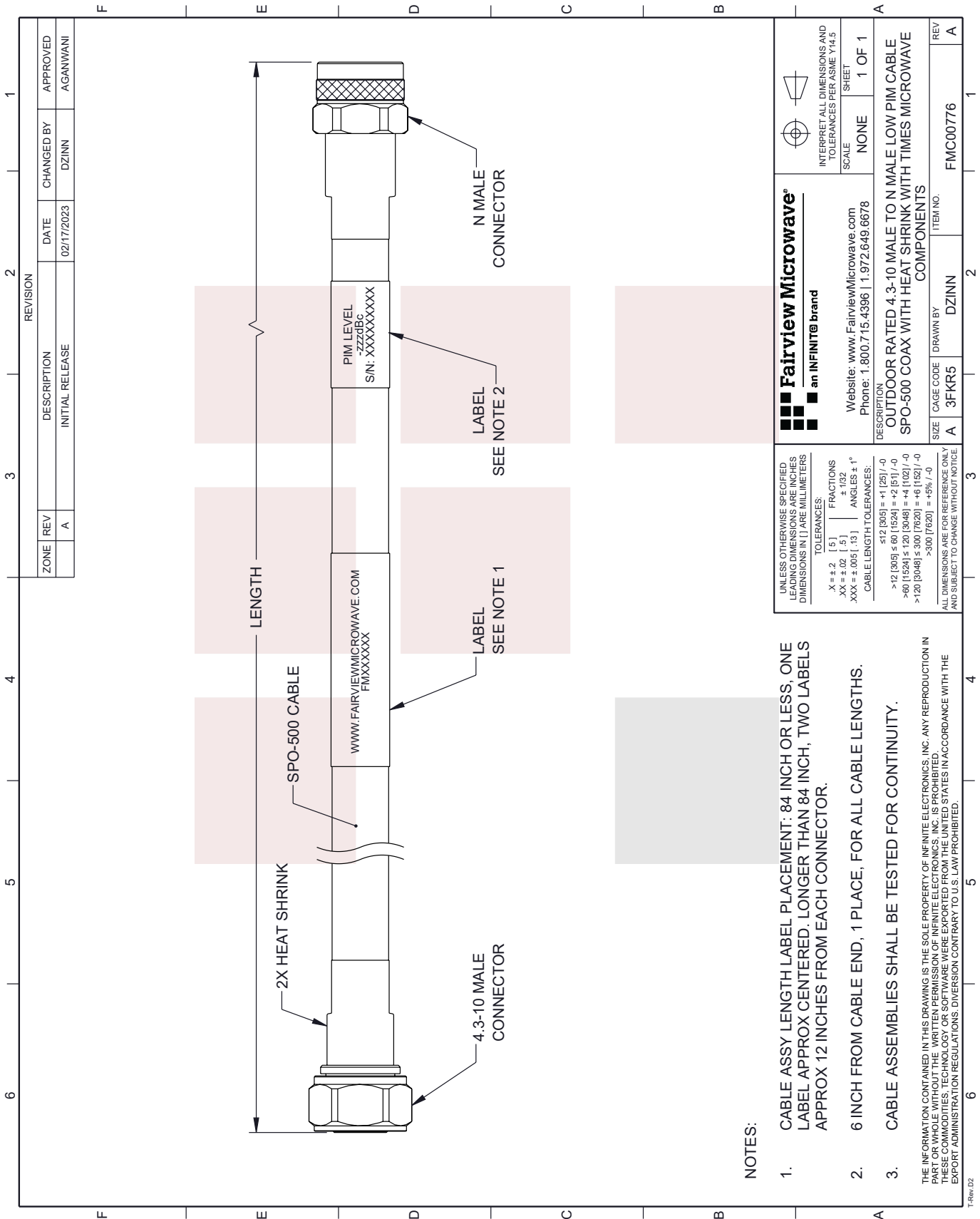
Outdoor Rated Low PIM 4.3-10 Male to N Male Cable SPO-500 Coax with Times Microwave Components and Heat Shrink from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Outdoor Rated Low PIM 4.3-10 Male to N Male Cable SPO-500 Coax with Times Microwave Components and Heat Shrink FMC00776](https://www.fairviewmicrowave.com/outdoor-rated-low-pim-4.3-10-male-to-n-male-cable-spo-500-coax-with-times-microwave-components-and-heat-shrink-fmc00776)

URL: <https://www.fairviewmicrowave.com/outdoor-rated-low-pim-4.3-10-male-to-n-male-cable-spo-500-coax-with-times-microwave-components-and-heat-shrink-fmc00776-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.





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[FMC00776-150CM](#)