



Cinta Braided Cable



PRODUCT SPECIFICATION

C2FP

Braided Cable, 0.400 inch diameter, 30 - 3000 MHz, Standard with Polyethylene Jacket

CHARACTERISTICS

Mechanical Specifications

Minimum Bending Radius in (mm)	1.00 (25.40)
Bending Moment lb-ft (N-M)	0.50 (0.68)
Cable Weight lb/ft (kg/m)	0.087 (0.13)
Tensile Strength lb (kg)	160 (72.6)
Flat Plate Crush Strength lb/in (kg/mm)	40 (0.7)

Electrical Specifications

Maximum Frequency (GHz)	16.2
Velocity (percent)	85
Impedance (Ohms)	50
dc Breakdown (volts)	2500
Peak Power Rating (kW)	10.4
Inner Conductor dc Resistance ohms/1000 ft (ohms/1000 m)	1.37 (4.49)
Outer Conductor dc Resistance ohms/1000 ft (ohms/1000 m)	1.71 (5.61)
Jacket Spark (volts RMS)	8000
Capacitance pF/ft (pF/m)	23.9 (78.4)
Shielding Effectiveness (dB)	>90
Phase Stability (ppm/C)	<10

Construction Materials

Inner Conductor Material	Solid BCCAI
Dielectric Material	Polyethylene Foam
Shield Material	Aluminum Tape / Tinned Copper Braid
Jacket Material	Black Polyethylene

Dimensions

Diameter Inner Conductor in (mm)	0.108 (2.74)
Diameter Dielectric in (mm)	0.285 (7.24)
Diameter Braid in (mm)	0.320 (8.13)
Diameter Over Jacket in (mm)	0.400 (10.16)

Environmental Specifications

Storage Temperature °C (°F)	-70 to +85 (-94 to +185)
Installation Temperature °C (°F)	-40 to +85 (-40 to +185)
Operating Temperature °C (°F)	-40 to +85 (-40 to +185)
Recommended Use	Outdoor

Customer Support Center:

From North America: 1-800-255-1479
International: +1-708-873-2307

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Connectors

Part Number	Connector Type	Special Characteristics	Inner Contact Attachment	Grade
400PNF-C-CR	N Female	Crimp Outer Contact Attachment	Captivated	Standard
400PNF-BHC	N Female	Bulkhead, Clamp Outer Contact Attachment	Captivated	Standard
400PTM-C	TNC Male	Clamp Outer Contact Attachment	Captivated	Standard
400PTR	TNC Male	Right Angle, Clamp Outer Contact Attachment	Solder	Standard
400PDM	7-16 DIN Male	Clamp Outer Contact Attachment	Solder	Standard
400PSM-CR	SMA Male	Crimp Outer Contact Attachment	Solder	Plated
400APNM	N Male	Clamp Outer Contact Attachment	Solder	Plated
400APNM-C	N Male	Spring Finger, Clamp Outer Contact Attachment	Captivated	Plated
400PDF-PMC	7-16 DIN Female	Panel Mount	Captivated	Plated
400PDF-BHC-CR	7-16 DIN Female	Bulkhead, Crimp Outer Contact Attachment	Captivated	Plated
400PBM-CR	BNC Male	Crimp Outer Contact Attachment	Solder	Standard
400PNR-C-CR	N Male	Right Angle, Crimp Outer Contact Attachment	Captivated	Plated
400PDFR-BH	7-16 DIN Female	Right Angle, Clamp Outer Contact Attachment	Solder	Plated
400PTM-CR	TNC Male		Solder	Standard
400PNR-C	N Male	Clamp Outer Contact Attachment	Captivated	Plated
400PUM	UHF Male	Clamp Outer Contact Attachment	Solder	Plated
400PNR	N Male	50 Ohm Mating Pin, Right Angle	Solder	Plated
400PDF-C	7-16 DIN Female		Captivated	Standard
400PNM-C-CR	N Male	50 Ohm Mating Pin	Captivated	Standard
400PDM-C-CR	7-16 DIN Male	50 Ohm Mating Pin	Captivated	Plated
400APNM-CR	N Male	50 Ohm Mating Pin	Solder	Plated

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Cable Lengths

Part Number	Description	Order Length
C2FP-500KT	Standard	500 FT Reel
C2FP-1000KT	Standard	1000 FT Reel

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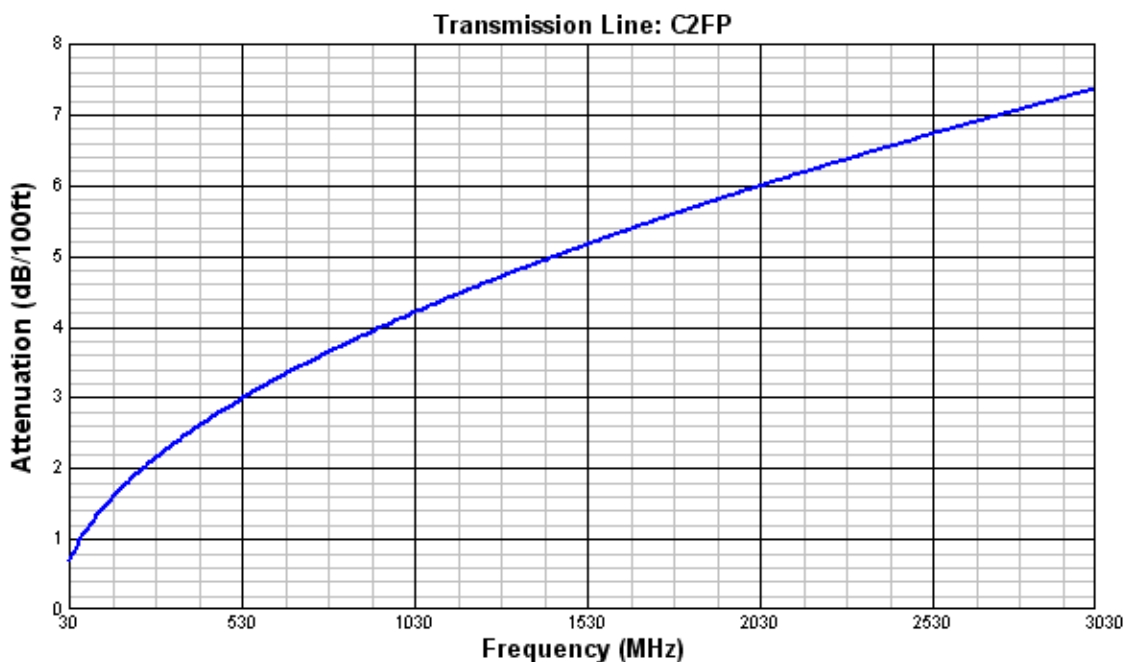
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CHARACTERISTICS

Performance (Typical)

Frequency (MHz)	Attenuation (dB/100 ft)	Attenuation (dB/100 m)	Average Power (kW)
30	0.76	2.5	2.9
50	0.97	3.2	2.3
150	1.5	5	1.5
220	1.9	6	1.2
450	2.7	8.8	0.83
900	3.9	12.7	0.58
1500	5.1	16.7	0.43
1800	5.6	18.4	0.4
2000	5.9	19.4	0.37
2500	6.7	22	0.33
3000	7.5	25	0.29



Standard Conditions:

For Attenuation. VSWR 1.0, ambient temperature 20°C (68°F).

For Average Power. VSWR 1.0, ambient temperature 40°C (104°F), inner conductor temperature 100°C (212°F); no solar loading.

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