



PRODUCT DATA SHEET

Controlled Document - Engineering Drive



1530 Shields Drive
Waukegan, IL 60085
Toll-Free (800) 323-9355
Fax: (847) 689-1192



SIGNA-WAVE™ - 400 SERIES Flexible Communications Cable

Part Number	Designation	Jacket	1000' Stock Part Code
986400	Standard Outdoor	Polyethylene	986400-06-08
987400	Watertight	Flooded-Polyethylene	987400-06-08
985400	c(ETL)us - CMR FT4 MSHA Approved	Riser Rated PVC	985400-06-08

Construction Specifications:

	Material	Diameter
Inner conductor	Solid BCCAL	0.108" Nom.
Dielectric	Foamed Polyethylene	0.285" Nom.
	Bonded Aluminum Foil + Tinned	
Outer Conductor	Copper Braid	0.320" Nom.
Jacket	Black Polyethylene or PVC	0.405" Nom.

Electrical Properties:

Capacitance	23.9 pF/ft
Impedance	50 Ohms
Velocity	85%
Inner Conductor DC Resistance	1.39 (Ω/1000ft)
Outer Conductor DC Resistance	1.65 (Ω/1000ft)
Shielding Effectiveness	90 dB
Jacket Spark	8,000 VAC
Cutoff Frequency	16.2 GHz
Peak Power	16.0 kW
Voltage Withstand	2,500 VDC

Mechanical & Environmental Properties:

Minimum Bend Radius	1.00"
Storage Temperature	-94°F to 185°F
Installation Temperature	-40°F to 185°F
Operating Temperature	-40°F to 185°F

Attenuation & Average Power (68°F):

Frequency (MHz)	Typical Attenuation (dB/100ft)	Average Power (kW)
30	0.70	3.30
50	0.90	2.60
150	1.50	1.50
220	1.90	1.20
450	2.70	0.83
900	3.90	0.58
1500	5.10	0.44
1800	5.70	0.40
2000	6.00	0.37
2500	6.80	0.33
5800	10.80	0.21



This product complies with European Directive 2002/95/EC (RoHS)

The information presented here is, to the best of our knowledge, true and accurate. Since conditions of use are beyond Coleman Cable's control, all product data presented is for informational purposes only and does not create a binding obligation or liability on Coleman Cable or confer any rights on any customer. The sale of product(s) is conditioned upon acceptance of a purchase order subject to Coleman Cable's standard terms and conditions contained therein, including without limitation Coleman Cable's standard warranty. Coleman cable disclaims all liability in connection with the use of information contained herein or otherwise.

On special orders, the customer must accept all factory lengths and +/- 10% of the order quantity

Customer Approval:

Company Name: _____

Authorized Representative: _____ Date: _____

Specification Issue Date: December 29, 2008