PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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SIGNA-WAVE™ - 240 SERIES Flexible Communications Cable

Part Number	Designation	Jacket	1000' Stock Part Code
986240	Standard Outdoor	Polyethylene	986240-06-08
987240	Watertight	Flooded-Polyethylene	987240-06-08
985240	c(ETL)us - CMR FT4	Riser Rated PVC	985240-06-08

Construction Specifications:

	Material	Diameter
Inner conductor	Solid Copper	0.056" Nom.
Dielectric	Foamed Polyethylene	0.150" Nom.
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.178" Nom.
Jacket	Black Polyethylene or PVC	0.240" Nom.

Electrical Properties:

Capacitance	24.2 pF/ft
Impedance	50 Ohms
Velocity	84%
Inner Conductor DC Resistance	3.20 (Ω/1000ft)
Outer Conductor DC Resistance	3.89 (Ω/1000ft)
Shielding Effectiveness	90 dB
Jacket Spark	5,000 VAC
Cutoff Frequency	31 GHz
Peak Power	5.6 kW
Voltage Withstand	1,500 VDC

Mechanical & Envionmental Properties:

Minimum Bend Radius	0.75"
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	1.30	1.49
50	1.70	1.15
150	3.00	0.66
220	3.70	0.54
450	5.30	0.38
900	7.60	0.26
1500	9.90	0.20
1800	10.90	0.18
2000	11.50	0.17
2500	12.90	0.15
5800	20.40	0.10

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

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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: August 28, 2008

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