



PRODUCT DATA SHEET

Controlled Document - Engineering Drive



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SIGNA-WAVE™ - 195 SERIES Flexible Communications Cable

Part Number	Designation	Jacket	1000' Stock Part Code
986195	Standard Outdoor	Polyethylene	986195-06-08
987195	Watertight	Flooded-Polyethylene	987195-06-08
985195	c(ETL)us - CMR FT4	Riser Rated PVC	985195-06-08

Construction Specifications:

	Material	Diameter
Inner conductor	Solid Copper	0.037" Nom.
Dielectric	Foamed Polyethylene	0.110" Nom.
	Bonded Aluminum Foil + Tinned	
Outer Conductor	Copper Braid	0.139" Nom.
Jacket	Black Polyethylene or PVC	0.195" Nom.

Electrical Properties:

Capacitance	24.3 pF/ft
Impedance	50 Ohms
Velocity	80%
Inner Conductor DC Resistance	7.60 (Ω/1000ft)
Outer Conductor DC Resistance	4.90 (Ω/1000ft)
Shielding Effectiveness	90 dB
Jacket Spark	3,000 VAC
Cutoff Frequency	41 GHz
Peak Power	2.5 kW
Voltage Withstand	1,000 VDC

Mechanical & Environmental Properties:

Minimum Bend Radius	0.50"
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	2.00	0.89
50	2.60	0.68
150	4.40	0.39
220	5.40	0.32
450	7.80	0.22
900	11.10	0.15
1500	14.50	0.12
1800	16.00	0.11
2000	16.90	0.10
2500	19.00	0.09
5800	29.90	0.06



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