



Southwire®
WE DELIVER POWER... RESPONSIBLY®

PRODUCT DATA SHEET

Controlled Document - Engineering Drive



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SIGNA-WAVE™ - 200 SERIES Flexible Communications Cable

Part Number	Designation	Jacket	1000' Stock Part Code
986200	Standard Outdoor	Polyethylene	986200-06-08
987200	Watertight	Flooded-Polyethylene	987200-06-08
985200	c(ETL)us - CMR FT4	Riser Rated PVC	985200-06-08

Construction Specifications:

	Material	Diameter
Inner conductor	Solid Copper	0.044" Nom.
Dielectric	Foamed Polyethylene	0.116" Nom.
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.144" Nom.
Jacket	UV Resistant Black Polyethylene or PVC	0.195" Nom.

Electrical Properties:

Capacitance	24.5 pF/ft
Impedance	50 Ohms
Velocity	83%
Inner Conductor DC Resistance	5.36 (Ω/1000ft)
Outer Conductor DC Resistance	4.9 (Ω/1000ft)
Shielding Effectiveness	90 dB
Jacket Spark	3,000 VAC
Cutoff Frequency	39 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	1.80	1.02
50	2.30	0.79
150	4.00	0.45
220	4.80	0.37
450	7.00	0.26
900	9.90	0.18
1500	12.90	0.14
1800	14.20	0.13
2000	15.00	0.12
2500	16.90	0.10
5800	26.40	0.07



This product complies with European Directive 2011/65/EU (RoHS-2)

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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: January 19, 2016