

SIGNA-WAVE™ 400 SERIES 50 OHM FLEXIBLE COAXIAL CABLE

- Part Number:** 985400 Riser Rated PVC, C(ETL)US CMR FT4, MSHA
- Part Number:** 986400 UV Resistant Polyethylene / Std. Outdoor
- Part Number:** 987400 Watertight / Flooded-Polyethylene



CONSTRUCTION AND MECHANICALS:

1. Conductors:	Inner Cond. : Solid BCCAL	Diameter	0.108" Nom.
2. Dielectric:	Foamed Polyethylene		0.285" Nom.
3. Shielding	Outer Cond. : Bonded Aluminum Foil + Tinned Copper Braid		0.320" Nom.
4. Jacket:	985400 Riser Rated PVC		0.405" Nom.
	986400 UV Resistant Polyethylene		0.405" Nom.
	987400 Flooded-Polyethylene		0.405" Nom.

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

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

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	8,000VAC
Cutoff Frequency	16.2 GHz
Peak Power	16.0 kW
Voltage Withstand	2,500 VDC

985400 : Riser Rated PVC, C(ETL)US CMR FT4, MSHA Testing (1 Min VW-1 flame with current & 1000lb crush test for 1 Min)

APPLICATIONS AND FEATURES:

Southwire high performance 50 Ohm radio frequency low-loss coaxial cables feature superior performance. They are utilized in mobile phone,Wi-Fi broadband, satellite antennas, terrestrial microwave, medical, military, air traffic control, and land mobile radio applications

SPECIFICATIONS:

- c(ETL)us - CMR FT4, MSHA Approved P-07-KA090002-MSHA (985400) ETL Listed
- UL-1581 VW-1 Vertical Flame Test
- RoHS (European Directive 2002/95/EC (RoHS))

LEGEND:

- 986400 CCI SIGNA-WAVE (TM) P/N 986400 50 OHM 400 SERIES - MADE IN USA
- 987400 CCI SIGNA-WAVE (TM) P/N 987400 50 OHM 400 SERIES - MADE IN USA
- 985400 CCI SIGNA-WAVE (TM) P/N 985400 50 OHM 10 AWG C(ETL)US CMR OR CMG FT4 SUN RES 400 SERIES - P-07-KA090002-MSHA - MADE IN USA

PACKAGING

Standard Length: lengths are available upon request.

Customer Company Name: _____ Date: _____

Customer Approval: _____ Customer Title: _____

All dimensions are nominal and subject to nominal manufacturing tolerances

The customer will accept all factory lengths and +/- 10 percent of total order requested.

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