



Kingfisher Company, inc.

# RG-213 Antenna Cable



## Description:

A 8267 COAX 50 Ohm Cable with 13 AWG stranded (7x21) .089" bare copper conductor, polyethylene insulation, bare copper braid shield (97% coverage), non-contaminating PVC jacket.

## Physical Characteristics:

<b>Conductor:</b>	13 AWG, 7x21 Stranding, Bare Copper, .089" Dia.
<b>Insulation:</b>	Polyethylene, .285" Dia.
<b>Outer Shield:</b>	Braid, Bare Copper, 96% Coverage
<b>Outer Jacket:</b>	Polyvinyl Chloride, Non-Contaminating
<b>Overall Cabling:</b>	.405" Dia.

## Mechanical Characteristics:

<b>Operating Temperature Range:</b>	-40C° to 80C°
<b>UL Temperature Rating:</b>	60C° (UL AWM Style 1354)
<b>Bulk Cable Weight:</b>	104lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	184 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	5 in.

## Applicable Specifications and Agency Compliance (Overall):

<b>NEC/(UL) Specification:</b>	CMX
<b>CEC/C(UL) Specification:</b>	CMX
<b>AWM Specification:</b>	UL Style 1354 (30V 60°C)
<b>EU CE Mark:</b>	No
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date:</b>	10/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Military Specification:</b>	MIL-DTL-17H, M17/74-00001
<b>RG Type:</b>	213/U
<b>Flame Test:</b>	VW-1
<b>Plenum (Y/N):</b>	No

## Electrical Characteristics:

<b>Nom. Characteristic Impedance:</b>	50 Ohms
<b>Nom. Inductance:</b>	.077 microHenries/ft
<b>Nom. Capacitance Conductor to Shield:</b>	30.8 pF/ft
<b>Nominal Velocity of Propagation:</b>	66% VP
<b>Nominal Delay:</b>	1.54 ns/ft
<b>Nom. Conductor DC Resistance:</b>	1.7 DCR @ 20°C Ohm/1000 ft
<b>Nominal Outer Shield DC Resistance:</b>	1.2 DCR @ 20°C Ohm/1000 ft
<b>Max. Operating Voltage—UL:</b>	30V RMS—UL AWM Style 1354 300V RMS—NES

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.27
10	.55
50	1.3
100	1.9
200	2.7
400	4.1
700	6.5
900	7.6
1000	8.0
4000	21.5

Freq. (MHz)	Rating (W)
1	7950
10	2761
50	112
100	748
200	494
400	326
700	235
900	205
1000	194
4000	110

## ORDERING INFORMATION

KCi #	Model #	Description
27126	RG-213	RG-213 Cable
22178	RA-CVHF	Connector UHF Male PL-259 Solder Type Connector for use with 27126 Cable
57003-RG-213		Factory Assembled Cable—150' of 27126 (RG-213/U) cable with 22178 Connector attached and extra 22178 Connector included for assembly at panel. Also included is cable adapter (BNC to UHF) KFi PN 57402 for use at panel.
75092		Kingfisher Antenna Installation Manual. All Kingfisher antenna installations shall comply with this manual
27126-DTS		Specification Data Sheet

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions

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