



Kingfisher Company, inc.

RG 58 Antenna Cable



Description:

8240 Coax 50 Ohm cable with, 20AWG solid .033" bare copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics:

Conductor:	20 AWG, Solid, Bare Copper, .03" Dia.
Insulation:	Polyethylene, .116" Dia.
Outer Shield:	Braid, Tinned Copper, 95% Coverage
Outer Jacket:	PVC Polyvinyl Chloride
Overall Cabling:	.193" Dia.

Mechanical Characteristics:

Operating Temperature Range:	-40C° to 75C°
UL Temperature Rating:	80C° (UL AWM Style 1354)
Bulk Cable Weight:	26lbs/1000 ft.
Max. Recommended Pulling Tension:	47 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall):

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date:	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	58/U
Flame Test:	VW-1
Suitability:	Indoor, Yes
Plenum (Y/N):	No
Plenum number:	88240, 82240

Electrical Characteristics:

Nom. Characteristic Impedance:	52 Ohms
Nom. Inductance:	.08 microHenries/ft
Nom. Capacitance Conductor to Shield:	28.5 pF/ft
Nominal Velocity of Propagation:	66% VP
Nominal Delay:	1.54 ns/ft
Nom. Conductor DC Resistance:	10.0 DCR @ 20°C Ohm/1000 ft
Nominal Outer Shield DC Resistance:	4.1 DCR @ 20°C Ohm/1000 ft
Max. Operating Voltage—UL:	30V RMS—UL AWM Style 1354 300V RMS—CMX

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.3
10	1.1
50	2.5
100	3.8
200	5.6
400	8.4
700	11.7
900	13.7
1000	14.5

Freq. (MHz)	Rating (W)
50	530
100	350
400	160
1000	90

ORDERING INFORMATION

KCi #	Model #	Description
27127		RG-58U Cable
57003-RG-58	FAC-58	Factory Assembled Cable—75' of 27127 (RG-58/U) cable with 22177 Adapter & 22178 Connector attached and extra 22156 Crimp Connector included for assembly at panel.
22177	83-185	PL-259 Adaptor solder type for use with 27127 Cable
75092		Kingfisher Antenna Installation Manual. All Kingfisher antenna installations shall comply with this manual
27127-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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