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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Part Number: 8262



50 Ohm, RG58, 20 AWG Stranded TC, TC Braid, Non-contaminating PVC Jacket, Commercial Non-QPL Product

### Product Description

50 Ohm, RG-58C/U, 20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket, commercial non-QPL product

### Technical Specifications

#### Product Overview

Environmental Space:	Outdoor - Aerial
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Stranded	TC - Tinned Copper	0.035 in	1

Conductor Count:	1
Conductor Size:	20 AWG

##### Insulation

Material	Nominal Diameter
PE - Polyethylene	0.115 in

##### Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	95 %

##### Outer Jacket Material

Material	Nominal Diameter
PVCNC - Polyvinyl Chloride Non-Contaminating	0.195 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
10.8 Ohm/1000ft	4.1 Ohm/1000ft	4.1 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
30.8 pF/ft

Shielding:	Braid(s)
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##### Inductance

Nominal Inductance
0.077 $\mu$ H/ft

##### Impedance

Nominal Characteristic Impedance
50 Ohm

##### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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1 MHz	0.4 dB/100ft
10 MHz	1.4 dB/100ft
50 MHz	3.3 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	7.3 dB/100ft
400 MHz	11.5 dB/100ft
700 MHz	17 dB/100ft
900 MHz	20 dB/100ft
1000 MHz	21.5 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66 %

#### Voltage

Non-UL Voltage Rating
1400 V RMS

#### Temperature Range

UL Temp Rating:	85°C
Operating Temp Range:	-40°C To +80°C

#### Mechanical Characteristics

UV Resistance:	Yes - Black only
Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	2 in

#### Standards

CPR Euroclass:	Eca
RG Type:	58C/U Type
Military Specification:	Commerical, non-QPL product (M17/155-00001)
QPL (Qualified Parts List):	No
RG / Series Type:	58C/U Type

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
8262 0101000	Black	C
8262 010500	Black	C
8262 010U1000	Black	
8262 010U500	Black	

Footnote:	C - CRATE REEL PUT-UP.
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