

**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
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**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

**Inductance**

Nominal Inductance
0.077 $\mu$ H/ft

**Impedance**

Nominal Characteristic Impedance
50 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
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
1400V 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:	RG-58C/U
Military Specification:	Commerical, non-QPL product (M17/155-00001)
QPL (Qualified Parts List):	No

## 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

## Part Number

Plenum (Y/N): No

#### Variants

Item #	Color
8262 0101000	BLACK
8262 010500	BLACK
8262 010U1000	BLACK
8262 010U500	BLACK

#### Product Notes

Notes: Non-SWR swept version of RG-58.

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