

**RG 58/U COAXIAL CABLE WITH 20 AWG 95% TINNED COPPER BRAID**

**60°C, 30 V UL LISTED AS CL2 , UL RECOGNIZED COMPONENT AWM STYLE 1354**

Part Number: 991041

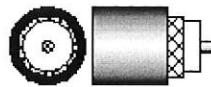
**CONSTRUCTION AND MECHANICALS:**

- 1. **Conductors:** 20 AWG 1/.032 BC
- 2. **Dielectric:** Solid Polyethylene color natural
- 3. **Insulation:** INS COLOR: NATURAL
- 4. **Shielding** 95% Bare Copper Braid
- 5. **Jacket:** PVC, Black WALL : 0.029 NOM OD: 0.196
- 6. **Weight:** 42 lb/1000 ft

**Electrical Properties:**

	<u>VALUE*</u>
Impedance (ohms):	53.5
Capacitance (pF/ft):	28.5
Velocity of Propagation (%):	66
Conductor Resistance(ohms/kft):	10.1
Attenuation** (db/100 ft):	
50 MHz	3.0
100 MHz	4.4
200 MHz	6.0
400 MHz	8.5
900 MHz	13.0

**Cable Cross-section:**  
*(NOT TO SCALE)*



**APPLICATIONS AND FEATURES:**

Southwire rated CATV (Community Antenna Television) Coax cable. This type coax used to drive video signals for television programming signals, community antenna television system, master antenna and for broadband internet access. Max Temperature Range: +60°C

**SPECIFICATIONS:**

- NEC ARTICLE 725, 800 CL2
- UL-1581 VW-1 Vertical Flame Test
- UL AWM STYLE 1354
- RoHS (European Directive 2011/65/EU (RoHS-2))

**SAMPLE PRINT LEGEND:**

SOUTHWIRE 991041 RG 58/U 20 AWG (ETL)us 3020465 TYPE CL2 OR CATV 60C – XX/XX/XX (MONTH /DAY/YEAR) XXXXXX (W/O#)

**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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# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

1530 Shields Drive  
Waukegan, IL 60085  
Toll-Free (800) 323-9355  
Fax: (847) 689-1192

**PART NUMBER:** 991041  
**DESCRIPTION:** RG 58/U COAXIAL CABLE WITH 20 AWG CONDUCTOR AND 95% TINNED COPPER BRAID  
**RATING:** UL LISTED AS CL2  
UL RECOGNIZED COMPONENT AWM STYLE 1354

### Construction Parameters:

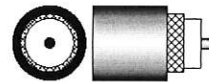
		<u>Wall (in)*</u>	<u>OD (in)*</u>
Conductors:	20 AWG (1/.032) Solid Bare Copper		0.031
Dielectric:	Solid Polyethylene color natural	0.042	0.114
Shielding:	95% Tinned Copper Braid		0.136
Jacket:	PVC	0.030	0.196

### Electrical Properties:

	<u>VALUE*</u>
Conductor Resistance (ohms/Kft)	10.5
Impedance (ohms):	53.5
Capacitance (pF/ft):	29
Velocity of Propagation (%):	66
Attenuation (Max db/100 ft):	
50 MHz	3.0
100 MHz	4.4
200 MHz	6.0
400 MHz	8.5
900 MHz	13.0

### Cable Cross-section:

(NOT TO SCALE)



### Miscellaneous Information:

Jacket Color: Black  
 Jacket Print (Aqua): CCI 991041 RG 58/U 20 AWG (ETL)us 3020465 TYPE CL2 OR CATV 60C - XX/XX/XX (MONTH /DAY/YEAR) XXXXXX (W/O#)

Applicable NEC Article: 725 & 820  
 Flame Rating: UL-1581 Vertical Tray Flame Test  
 Maximum Temperature Rating: 60° C  
 Max. Operating Volts: 30 RMS  
 Approximate Weight (lb/1000 ft): 28

This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders the customer will accept all factory lengths and ± 10% of total order requested.

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Company Name: \_\_\_\_\_

Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Issued: 11/28/12

\* = Nominal value  
By: PEP