



**Southwire**<sup>®</sup>  
 WE DELIVER POWER... RESPONSIBLY\*

# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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

**PART NUMBER:** 991047-xx-08  
**DESCRIPTION:** RG-58 C/U COAXIAL CABLE  
**RATINGS:** UL LISTED AS CL2X  
 UL RECOGNIZED COMPONENT AWM STYLE 1354

## Construction Parameters:

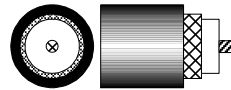
		Wall (in)*	OD (in)*
Conductors:	21 AWG (19/.007) Stranded Tinned Copper		0.035
Dielectric:	Solid Polyethylene color natural	0.041	0.116
Shielding:	95% Tinned Copper Braid		0.138
Jacket:	PVC (Non-Contaminating Type IIA)	0.029	0.195

## Electrical Properties:

	VALUE*
Conductor Resistance (ohms/Kft)	11
Impedance (ohms):	50 ± 2
Capacitance (pF/ft):	30.8
Velocity of Propagation (%):	66 ± 1
Attenuation (Max db/100 ft):	
50 MHz	3.3
100 MHz	4.9
200 MHz	7.3
400 MHz	11.5
900 MHz	20.0

## Cable Cross-section:

(NOT TO SCALE)



## Miscellaneous Information:

Jacket Color: Black  
 Jacket Print: SOUTHWIRE RG 58 C/U 21 AWG TYPE CL2X 75 C (UL) E100316 OR AWM 1354  
 Applicable NEC Article: 725  
 Flame Rating: UL-1581 VW-1 Vertical Flame Test  
 Max. Operating Temperature: 75° C  
 Max. Operating Volts: 1900 RMS  
 Approx. Weight (lb/1000 ft): 25

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

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

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

*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.*

*The information presented here is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We reserve the right to review and modify all constructions to conform with the latest Regulatory requirement. We disclaim all liability in connection with the use of information contained herein or otherwise. This specification is propriety intellectual property of SOUTHWIRE. Any information contained herein shall not be disclosed to any party without written consent of SOUTHWIRE.*

Issued: 08/02/10

\* = Nominal value  
 By: PEM