



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

# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

1530 Shields Drive  
 Waukegan, IL 60085  
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**PART NUMBER:** 991007-xx-08

**DESCRIPTION:** RG 8/U TYPE LOW LOSS COAXIAL CABLE WITH 88% BRAID

**Construction Parameters:**

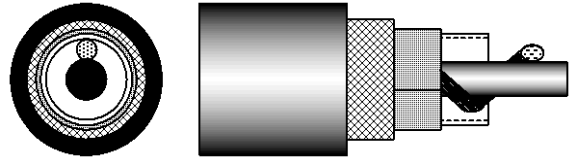
		<u>Wall (in)*</u>	<u>OD (in)*</u>
Conductors:	9.5 AWG (1/.108) Solid Bare Copper		0.108
Assembly:	Solid 0.055 Polyethylene Monofilament wrapped in a helical application around the conductor		0.218
Insulation:	A tube of solid polyethylene applied over the conductor and Monofilament	0.034	0.285
Shielding:	Fused Aluminum/Polyethylene/Aluminum tape with 88% Tinned Copper Coated Braid		0.316
Jacket:	PVC	0.045	0.405

**Electrical Properties:**

	<u>VALUE*</u>
Conductor Resistance (ohms/kft):	0.9
Impedance (ohms):	50
Capacitance (pF/ft):	24
Velocity of Propagation (%):	84
Attenuation (Max db/100 ft):	
50 MHz	0.9
100 MHz	1.4
200 MHz	1.8
400 MHz	2.6
700 MHz	3.6
900 MHz	4.2
1000 MHz	4.5
4000 MHz	11.0

**Cable Cross-section:**

(NOT TO SCALE)



**Miscellaneous Information:**

Jacket Color: Black  
 Jacket Print(White): SOUTHWIRE 50 OHM LOW LOSS COAXIAL CABLE  
 Approximate Weight (lb/1000 ft): 103

*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.*

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

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

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

Issued: 5/15/06

\* = Nominal value  
 By: PEP