

For more Information please call

1-800-Belden1



General Description:

ENGLISH MEASUREMENT VERSION

RG-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shields (95% coverage), PVC jacket.

Physical Characteristics (Overall)	
Conductor AWG:	
# Coax AWG Stranding Conductor Material Dia. (in.)	
1 20 7x28 TC - Tinned Copper 0.038	
Total Number of Conductors:	1
Insulation	
Insulation Material:	
Insulation MaterialDia. (in.)PE - Polyethylene0.120	
Inner Shield Inner Shield Material:	
TypeInner Shield MaterialCoverage (%)BraidTC - Tinned Copper95.000	
Inner Jacket Inner Jacket Material:	
Inner Jacket Material Nom. Dia. (in.) PE - Polyethylene 0.177	
Outer Shield Outer Shield Material:	
Type Outer Shield Material Coverage (%) Braid TC - Tinned Copper 95.000	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride 0.021	
Overall Cable	
Overall Nominal Diameter:	0.241 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	39 lbs/1000 ft.
Max. Recommended Pulling Tension:	83 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.
Applicable Specifications and Agency Complia	nce (Overall)
Applicable Standards & Environmental Programs	
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
(b) (b) (b)	

Detailed Specifications & Technical Data





9222 Coax - 50 Ohm Triax

Line State Yes NRI Order M39 (China RoH5): Yes RG Type: 08/// Percurster No. Percurster No. Percurster No. Percurster No. Non. Characteristics (Overall) No. Non. Characteristics (Overall) No. Non. Characteristics (Overall) No. Non. Naturatione: Imprint Non Percurster Imprint Non Percurster Verall Non Non Naturatione: Imprint Non Percurster Verall Non Naturatione: Imprint Non Naturatione: Verall Non Naturatione: Verall Non Naturatione: Verall Non Naturatione: Verall Non Naturatione: Verall Non Naturatione: Verall Non Naturation: Verall Non Naturation: Non Naturation: Verall Non Naturatione: DCR 2027 (Dom1900 ft) S S S Non Naturation: Verall Non Naturation: Non Naturation: Verall Non Naturation: DCR 2027 (Dom1900 ft) S S S S S				
R Type: 58AJ Plenum/Non-Plenum No Plenum/Wik: No Electrical Characteristics (Overall) No Nom. Inductance: Inductance (PMI) 077 Nom. Conductor to Shield: Capacitance (Overall) No Nom. Inductor OC Resistance: DCR 2000 (Ohm/1000 ft) 05 Nom. Inductor DC Resistance: DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) DCR 202 (Ohm/1000 ft) International (DVER Shield DC Resistance) Imadin (DVER Shield DC Resistance) Internat	CA	A Prop 65 (CJ for Wire & Cable):		Yes
Plenum (YNn: No Electrical Characteristic Impedance: Impedance (Overall) Nom. Capacitance (Prifu) Impedance Vielo Impedance Nom. Ind Viocity of Propagation: Impedance Vielo Impedance Nom. Ind Viocity of Resistance: Impedance DCR @ 20'C (Omif000 ft) Impedance 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 </th <th>м</th> <th>I Order #39 (China RoHS):</th> <th></th> <th>Yes</th>	м	I Order #39 (China RoHS):		Yes
Piene (*) No. No. Electrical Characteristics (Doverators) Impediance (and intermediance) Normatchistic impediance Impediance (and intermediance) Impediance (and intermediance) Impediance (and intermediance) Normatchistics (Doverators) Impediance (and intermediance) Normatchistics (Doverations) Impediance (and intermediance) Normators) <td< th=""><th>RG</th><th>Э Туре:</th><th></th><th>58A/U</th></td<>	RG	Э Туре:		58A/U
Dimensional Control Con	Plenur	m/Non-Plenum		
Nom. Ruractivitic (Impedance: Impedance: Impedance: Impedance: Inductance: Inductance: Inductance: Impedance: Impedance: <th>Ple</th> <th>enum (Y/N):</th> <th></th> <th>No</th>	Ple	enum (Y/N):		No
Nom. Functional color Impediance (Ohm) Soc. Inductance: Inductance: Inductance: Inductance: Inductance: Inductance: Capacitance: Capacitance: Capacitance: Capacitance: Capacitance: Ver (%) 66 Soc. Nom. conductor DC Resistance: DCR @ 20°C (Ohm1000 ft) 67 20°C (Ohm1000 ft) 7 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 100 10 10				
work multiple work multiple <td< th=""><th></th><th></th><th>rall)</th><th></th></td<>			rall)	
So Inductance Inductance Inductance Inductance Inductance So Nom. Respectance Capacitance Inductance Inductance<				
Indicatance (pHff) Dors Capacitance (pFff) 3.3				
077 Nom. Capacitance Conductor to Shield: Capacitance (pf/fi) 0.8 Nom. Inter Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 1 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outor Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.3 Solid ICR 20°C (Ohm/1000 ft) 4.3 Solid ICR 20°C (Ohm/1000 ft) 1 1 1 1 1 1 1 1 1 1 1 1 1	Nom. In	iductance:		
Capacitance (pF/f) 3.3 Nominal Velocity of Propagation: velocity of Capacitance: 0cf. 22 0°C (Ohm/1000 ft) 9.5 Nom. Inor Shield DC Resistance: 0cf. 22 0°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: 0cf. 22 0°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: 0cf. 22 0°C (Ohm/1000 ft) 4.3 Nom. Attenuation Freq. (MHz) Attenuation (dB/100 ft.) 1 5 10 1.5 200 7.2 400 12.0 200 7.2 400 12.0 200 7.2 400 12.0 200 7.2 400 12.0 200 12.0 200 12.0 200 12.0 200 12.0 200 12.0 200 12.0 200 12.0 201 12.0 202 12.0 <t< th=""><th></th><th></th><th></th><th></th></t<>				
30.8 Nominal Velocity of Propagation: VP (%) 0.6 Nom. Conductor DC Resistance: DCR 20°C (Ohm/1000 ft) 9.5 Nom. Inter Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR 20°C (Ohm/1000 ft) 4.3 Social Commination (B/100 ft) 1 5 100 1.5 100 1.5 100 1.2 100 2.0 100 2.0 100 2.0 100 2.0 100 2.0 100 2.0	Nom. C	apacitance Conductor to Shield:		
VP (%) 66 Nom. Conductor DC Resistance: DCR @ 20° (Ohm/1000 ft) 9.5 Nom. Inner Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: Dom into Outer Shield DC Resistance: Dom into Outer Shield DC Resistance: Dom into Outer Shield DC Resistance: Nominal Outer Shield DC Resistance: 100 4.9 200 12.0 200 12.0 200 12.0 </th <th></th> <th></th> <th></th> <th></th>				
VP (%) 6 Nom. Conductor DC Resistance: DCR @ 20° (Ohm/1000 ft) 3.5 Nom. Inner Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance: DCR @ 20° (Ohm/1000 ft) 4.3 Nominal Outer Shield DC Resistance:	Nomina	I Velocity of Propagation:		
Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 9.5 Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.7 Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.7 Nom. Attenuation: Freq. (Mt2) Attenuation (dB/100 ft.) 1 5 500 3.3 100 4.9 200 7.2 400 12.0 500 14.0 900 22.0 100 14.0 900 22.0 100 24.0	VP (
DCR @ 20°C (Ohm/1000 ft) 9.5 Nom.Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation (dB/100 ft.) 1 5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 100 22.0 100 24.0 100 24.0		anductor DC Posistanco:		
9.5 Nom.Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.7 Nomial Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.3 Nome Attenuation Preq. (MHz) Attenuation (dB/100 ft.) 1 .5 10 1.5 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 100 24.0				
Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation (dB/100 ft.) 1 5 10 1.5 50 3.3 10 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
DCR @ 20°C (Ohm/1000 ft) 4.7 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation Freq. (MHz) 1 5 1 5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 50 14.0 700 18.0 100 22.0 100 24.0		max Shield DC Basistenses		
4.7 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation (dB/100 ft.) 1 5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 100 24.0				
DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation: Freq. (MHz) Attenuation (dB/100 ft.) 1 .5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
DCR @ 20°C (Ohm/1000 ft) 4.3 Nom. Attenuation (dB/100 ft.) 1 .5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0		I Outer Shield DC Resistance		
4.3 Nom. Attenuation (dB/100 ft.) 1 5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
Freq. (MH2) Attenuation (dB/100 ft.) 1 .5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
Freq. (MH2) Attenuation (dB/100 ft.) 1 .5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0	Nom. A	ttenuation:		
1 .5 10 1.5 50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
50 3.3 100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
100 4.9 200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0 Max. Operating Voltage - Non-UL: Voltage	10	1.5		
200 7.2 400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0 Max. Operating Voltage - Non-UL: Voltage	50	3.3		
400 12.0 500 14.0 700 18.0 900 22.0 1000 24.0				
500 14.0 700 18.0 900 22.0 1000 24.0				
700 18.0 900 22.0 1000 24.0 Max. Operating Voltage - Non-UL: Voltage				
900 22.0 1000 24.0 Max. Operating Voltage - Non-UL: Voltage				
1000 24.0 Max. Operating Voltage - Non-UL: Voltage				
Max. Operating Voltage - Non-UL: Voltage				
Voltage				
	1400			

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9222 004U500	500 FT	20.500 LB	YELLOW		50 OHM TRIAX
9222 004100	100 FT	4.600 LB	YELLOW		50 OHM TRIAX
9222 004500	500 FT	21.000 LB	YELLOW	С	50 OHM TRIAX

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-28-2012

© 2015 Belden, Inc All Rights Reserved.

All Rights Reserved. Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information and belief at the date of its publication. The information provided in this Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided of the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

ENGLISH MEASUREMENT VERSION



9222 Coax - 50 Ohm Triax

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.