Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8255 Coax - 93 Ohm



For more Information please call

1-800-Belden1



General Description:

93 ohm, RG-62B/U type, 24 AWG stranded (7x32) .024" bare copper-covered steel conductor, semi-solid polyethylene insulation, BC braid shield (95% coverage), non-contaminating PVC jacket.

Conductors Mainal Conductors Mainal Conductors Mainal Conductors Discription of Conductors Total word of Conductors: 1 Total word of Conductors: 1 Total words: Total words: Word: Word: Subject Maintaine Monetaine: None Maintaine Monetaine: Total word: Total word: Word: Subject Maintaine Coording to	Physical Characteristics (Overall)	
Concent and the series of th	Conductor	
1 24 7x32 BCCB- Bare Copper Covered Steel 0.0009 Total Number of Conductors: 1 Instruction Material: Semi-Soid PE- Semi-Soid Pel-Semi-Soid Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Pel-Semi-Semi-Semi-Pel-Semi-Semi-Semi-Semi-Semi-Semi-Semi-Semi		Dia (mm)
Insulation Material: Insulation Material: Val Anterial: Val Provide Material: Val Provi		
Insulation Material: Insulation Material: Val Anterial: Val Provide Material: Val Provi	Total Number of Conductors:	1
Instantion Material Wail Thickness (mm) Dia. Kmm Semi-Solid PC: Semi-Solid Polyethyleme [0.600 3.708 Outer Sheld Baid SC: Bare Copper 95 3.708 3.708 Outer Jackt Uter Jackt Duter Jackt Duter Jackt Material: Semi-Solid Material: Semi-Solid Material: Voter Jackt Duter Jackt Material: Semi-Solid Material: Semi-Solid Material: Voter Jackt Material: Semi-Solid Material: Semi-Solid Material: Voter Jackt Material: Semi-Solid Networks Semi-Solid Networks Max. Recommended Pulling Tension: Solid Semi-Solid Networks Solid Networks Voter Jackt Material: CMX Semi-Solid Networks Solid Networks Vote Secification: CMX Solid Netwo		
Semi-Sold PC - Semi-Sold POyethylene (0.680 3.708 Outer Shield Material: Sympa Outer Shield Material: Type Outer Shield Material: Sympa Outer Shield Material: Outer Jackst Material: Sympa Outer Shield Material: Outer Jackst Material: Sympa Outer Shield Material: Outer Jackst Material: Nom: Wall Thickness (mm) PVCNC - PoyVing Chlorids Non-Contaminating (0.838 Sympa Outer Shield Material: Overall Cable 6.147 mm Verall Cable - 40°C To +90°C UL megnetarue Raing: - 60°C (UL AVM Style 1354) Buik Cable Weight: 47.622 Kg/km Max. Recommended Pulling Tension: 333.815 N Max. Recommended Pulling Tension: 333.815 N Max. Recommended Pulling Tension: CMX Explicable Specifications and Agency Compliance (Overall) Compliance (Overall) Applicable Standards & Environmental Programs McG(UL) Specification: CMX EU Directive 2004/1656 (EUV): Yes EU Directive 2004/1656(EU (ROHS II): Yes EU Directive 2004/1656(EU (ROHS II): Yes EU Directive 2004/1656(EFR): Yes EU Directive 2004/1656(EFR): Yes EU Directive 2004/162(CHFR): Ye		
Uter Jack I Non. Wall Thickness (NUM Uter Jack I Non. Wall Thickness (NUM Uter Jack I Non. Wall Thickness (NUM VEVER Jack I Non. Wall Thickness (NUM Verall Characteristics (Overall) Verall Characteristics (Overall) Verall Standards I Inner Rating: 60°C (UL NWM Style 1354) Buk Cable Waight: 47.622 Kg/m Min. Bon Rating Minor Asis: 63.500 mn Standards & Environmental Programs NECI(UL) Specification: CMX EU Chark: Yes EU Chark: Yes EU Chark: Yes EU Directive 2007/SFE (RoHSI): Yes EU Directive 2002/SFE (RoHSI): Yes EU Directive 200		
Braid BC - Bare Copper 95 Outer Jacket Outer Jacket Matorial: Nom. Wall Thickness (mm) PVCNC - Polyvinyl Chloride Non-Contaminating 0.838 Overall Cable Overall Cable Overaling Temperature Range: 6.147 mm 40°C To +80°C UL Temperature Rating: 60°C (UL AVMA Style 1354) Bulk Cable Weight: 47 C 22 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications: CMX Cocrall) Cocrall Applicable Specification: CMX Cocrall) Cocrall Applicable Specification: CMX Cocrall) Cocrall Applicable Specification: CMX Cocrall Cocrall Cocrall Applicable Specification: CMX Cocrall Cocr		
Outer Jacket Material Nom. Wall Thickness (mm) Outer Jacket Material Nom. Wall Thickness (mm) PVCR-2-Polyvinyl Chloride Non-Contaminating [0.838 Overall Cable Overall Cable Overall Characteristics (Overall) dechanical Characteristics (Overall) Operating Temperature Range: -0°C To +80°C UL Temperature Rating: 60°C (UL AVWN Style 1354) Bulk Cable Weight: 47 622 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63 500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Specification: CMX EQUUL Specification: CMX AWM Specification: UL Style 1354 (30 V 60°C) EU Directive 2001/5/EC (RoHS II): Yes EU Directive 2001/5/EC (RoHS): Yes EU Directive 2000/5/EC (RoHS)		
PVCNC - Polyvinyl Chloride Non-Contaminating 0.838 Overall Cable Overall Moninal Diameter: 6.147 mm Acchanical Characteristics (Overall) Operating Temperature Range: -40°C To +80°C UL Temperature Rating: 60°C (UL AWM Style 1354) Bulk Cable Weight: 47.6222 Kg/Km Max. Recommended Pulling Tension: 333.815 N Min. Bend Radius/Minor Axis: 333.815 N Min. Bend Radius/Minor Axis: CMX Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX QEC Emark: Yes EU Directive 2001/53/EU (ROHS II): Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (RoHS): Yes EU Directive 2000/53/EC (RoHS): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): <td></td> <td></td>		
Overall Cable Everall Kaminal Diameter: 6,147 mm Mechanical Characteristics (Overall) Operating Temperature Range: -40°C To +80°C UL Temperature Rating: 60°C (UL AWM Style 1354) Bulk Cable Weight: 47.622 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC(UL) Specification: CMX CEC(CUL) Specification: CMX GEC(CUL) Specification: CMX GEC(CUL) Specification: CMX GEC(CUL) Specification: CMX GEU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ELV): Yes E		
Overall Nominal Diameter: 6.147 mm Monical Characteristics (Overall) Operating Temperature Range: -40°C To +80°C UL Temperature Range: 60°C (UL AWM Skyle 1354) Buik Cable Weight: 47.622 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/GUL Specification: CMX ID Directive 2010/S3/EC (ELV): Yes EU Directive 2010/S3/EC (ELV): Yes EU Directive 2003/SJ/EC (BFR): Yes E		<u> </u>
Wechanical Characteristics (Overall) Operating Temperature Range: -40°C To +80°C UL Temperature Rating: 60°C (UL AWM Style 1354) Bulk Cable Weight: 47.622 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/C(UL) Specification: CMX ID irrective 2011/65/EU (ROHS II): Yes EU Directive 2000/63/EC (ELV): Yes EU Directive 2000/63/EC (ROHS): Yes EU Directive 2002/95/EC (ROHS): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (GHR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes MI Order #39 (China RoHS): Yes		6 147 mm
Operating Temperature Range:40°C To +80°CUL Temperature Rating:60°C (UL AV/M Style 1354)Bulk Cable Weight:47.622 Kg/KmMax. Recommended Pulling Tension:333.615 NMin. Bend Radius/Minor Axis:63.500 mmApplicable Specifications and Agency Compliance (Overall)Applicable Standards & Environmental ProgramsNEC/(UL) Specification:CMXCEC/C(UL) Specification:CMXAVM Specification:UL Style 1354 (30 V 60°C)EU Directive 2011/65/EU (ROHS II):YesEU Directive 2000/53/EC (ELV):YesEU Directive 2000/53/EC (RoHS):YesEU Directive 2002/95/EC (KMEEE):YesEU Directive 2003/11/EC (BFR):YesEU Directive 2003/11/EC (BFR):Yes		V. FT (1911
UL Temperature Rating: 60°C (UL AWM Style 1354) Bulk Cable Weight: 47.622 Kg/Km Max. Recommended Pulling Tension: 333.615 N Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/C(UL) Specification: CMX CEC/C(UL) Specification: UL Style 1354 (30 V 60°C) EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes MI Order #39 (China RoHS): Yes		
Bulk Cable Weight:47.622 Kg/KmMax. Recommended Pulling Tension:333.615 NMin. Bend Radius/Minor Axis:63.500 mmApplicable Specifications and Agency Compliance (Overall)Applicable Standards & Environmental ProgramsNEC/(UL) Specification:CMXCEC/C(UL) Specification:CMXCEC/C(UL) Specification:CMXQUI prective 2011/65/EU (ROHS II):YesEU Directive 2001/55/EC (ELV):YesEU Directive 2002/55/EC (RoHS):YesEU Directive 2002/55/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2003/11/EC (BFR):YesEU Directive 2003/11/EC (BFR):YesMIL Order #39 (China RoHS):Yes	Operating Temperature Range:	
Max. Recommended Pulling Tension:333.615 NMin. Bend Radius/Minor Axis:63.500 mmApplicable Specifications and Agency Compliance (Overall)Applicable Standards & Environmental ProgramsNEC/(UL) Specification:CMXCEC/C(UL) Specification:CMXAWM Specification:UL Style 1354 (30 V 60°C)EU Directive 2011/65/EU (ROHS II):YesEU Directive 2001/53/EC (ELV):YesEU Directive 2002/95/EC (ROHS):YesEU Directive 2002/95/EC (ROHS):YesEU Directive 2002/95/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesEU Directive 2003/11/EC (BFR):Yes	UL Temperature Rating:	60°C (UL AWM Style 1354)
Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/C(UL) Specification: CMX AWM Specification: UL Style 1354 (30 V 60°C) EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2011/65/EU (ROHS): Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ROHS): Yes EU Directive 2002/96/EC (NEEE): Yes EU Directive 2003/11/EC (BFR): Yes MII Order #39 (China RoHS): Yes	Bulk Cable Weight:	47.622 Kg/Km
Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/C(UL) Specification: CMX AWM Specification: UL Style 1354 (30 V 60°C) EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ROHS): Yes EU Directive 2001/55/EU (ROHS): Yes EU Directive 2001/55/EC (ROHS): Yes EU Directive 2001/55/EC (ROHS): Yes EU Directive 2001/56/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes MII Order #39 (China ROHS): Yes	Max. Recommended Pulling Tension:	333.615 N
Applicable Standards & Environmental Programs NEC/(UL) Specification: CMX CEC/C(UL) Specification: UL Style 1354 (30 V 60°C) EU Directive 2011/65/EU (ROHS II): Yes EU CE Mark: Yes EU Directive 2002/53/EC (ELV): Yes EU Directive 2002/55/EC (ROHS): Yes EU Directive 2002/95/EC (ROHS): Yes EU Directive 2002/95/EC (ROHS): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes MII Order #39 (China RoHS): Yes	Min. Bend Radius/Minor Axis:	63.500 mm
NEC/(UL) Specification:CMXCEC/C(UL) Specification:CMXAWM Specification:UL Style 1354 (30 V 60°C)EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	Applicable Specifications and Agency Com	npliance (Overall)
CEC/C(UL) Specification:CMXAWM Specification:UL Style 1354 (30 V 60°C)EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes		
AWM Specification:UL Style 1354 (30 V 60°C)EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (BRR):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	NEC/(UL) Specification:	CMX
EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (ROHS):YesEU Directive 2002/95/EC (ROHS):10/01/2005EU RoHS Compliance Date (mm/dd/yyyy):10/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	CEC/C(UL) Specification:	СМХ
EU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):10/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):10/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):10/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	EU CE Mark:	Yes
EU RoHS Compliance Date (mm/dd/yyyy): 10/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mll Order #39 (China RoHS): Yes	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):YesCA Prop 65 (CJ for Wire & Cable):YesMII Order #39 (China RoHS):Yes	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes	EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes	EU Directive 2002/96/EC (WEEE):	Yes
MII Order #39 (China RoHS): Yes	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes
	RG Type:	62B/U

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8255 Coax - 93 Ohm

nun	on-Plenum
	n (Y/N):
rical	Characteristics (Ov
	cteristic Impedance:
•	ice (Ohm)
93	
om. Induc	tance:
Inductan	ice (µH/m)
0.380596	
om. Capac	citance Conductor to Shie
-	ance (pF/m)
44.2935	
	locity of Propagation:
VP (%)	
84	
ominal De	lay:
Delay (n	s/m)
3.97001	
om. Condi	uctor DC Resistance:
	20°C (Ohm/km)
193.579	
	20°C (Ohm/km)
9.5149	
om. Atten	
	Hz) Attenuation (dB/100m
1	0.9843
10	2.9529
50	6.562
100	9.5149
200	13.7802
400	20.0141
700	28.2166
900	33.1381
1000	36.4191
	ting Voltage - UL:
ax. Operat	Description
ax. Operat Voltage	S UL AWM Style 1354
Voltage 30 V RM	IS CMX
Voltage 30 V RM 300 V RM	
Voltage 30 V RM 300 V RM	IS CMX
Voltage 30 V RM 300 V RM ax. Operat	ting Voltage - Non-UL:
Voltage 30 V RM 300 V RM	ting Voltage - Non-UL:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8255 0101000	1,000 FT	36.000 LB	BLACK	С	RG-62B/U TYPE 93OHM COAX
8255 010500	500 FT	18.500 LB	BLACK		RG-62B/U TYPE 930HM COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 10-16-2012

© 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 provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is not the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in 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.

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

METRIC MEASUREMENT VERSION



8255 Coax - 93 Ohm