

ENGLISH MEASUREMENT VERSION

9538 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Conductor AVC: Straining Conductor Naterial I Straining Conductor 8 Total Number of Conductor: 8 Insulation Material: Insulation Material: Date: Strain Tage Numinum Faie Populate: Tage 100 Outer Steld Data Wite ACWC: Material: Material: Insulation Material: Outer Steld Data Wite Conductor Material Insulation Material: Material: Insulation Material: Overal School Material: Insulation Material:		
AVC: Standard Conductor Material S Standard Conductor Material Standard Conductor Material Standard Conductor Material Standard Conductor Material Standard Conductor Material Standard Conductor Material Standard Conductor Conductor Standard Conductor Conductor Standard Conductor Conductor Standard Conductor Standard Conductor Conductor Standard Conductor Stan	Physical Characteristics (Overall)	
B A Total Total Rumber of Conductors: s Total Rumber of Conductors: s s s s Instantion Material: Instantion Material: Instantion Material: S s Duter Shield Material: Instantion Material: Instantion Material: S s Duter Shield Material: Instantion Material: Instantion Material: S s Duter Shield Material: Instantion Material: Instantion Material: S s Duter Shield Material: Instantion Material: Instantion Material: S s Duter Jacket Material: Instantion Material: Instantion Material: S s Duter Jacket Material: Instantion Color Code Chart: Instantion Material: S S Versal Cable S S S S S S Versal Cable S S S S S S S S S S S S S S S S S S		
Total Number of Conductors: 8 nsulation Insulation Material: Image: Statistic Material: Image: Statistic Material: Invaliation Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Outer Shield Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statistic Material: Image: Statist	_	
Insulation Material: Insulation Material: ProC. Polyming Chloride [010 Duer Sheld Duer Sheld Tade Name Type Outer Sheld Material: Outer Sheld Tade Name Type Outer Sheld Material: Outer Sheld Tade Name Type Outer Sheld Material: Outer Sheld Tade Name Type Outer Sheld Material: AVK Standing Drain Wire Auto: AVK Standing Drain Wire Conductor Material Outer Jackt Material: Outer	8 24 7x32 TC - Tinned Copper	
Insultand Material Wat Flags wat for a set of the fore and a set o	Total Number of Conductors:	8
Wait Proving Solution Material 1010 VMC - Polyning Kandal 1010 Outer Shield Material: Date Shield Material: Material Realize Man Yue Outer Shield Material 100 Outer Shield Material: MADE Standal Drini Wice AND: MADE Standal Drini Wice Conductor Material 120 Outer Shield Material: Dutr Jackst Material:	Insulation	
PVC - Paywing Chinoral 010 Viter Shield Matarial: Outer Shield Tatek Naminum Foil-Payester Tape 100 Outer Shield Tatek Marinum Foil-Payester Tape 100 Outer Shield Tatek Marine Orien Wite Conductor Material 24 732 To - Trined Cooper Autre Shield Tatek Marine Drain Wite Conductor Material 24 732 To - Trined Cooper Outer Jacket Matarial: Outer Shield Color Date Shield Color Material 24 732 To - Trined Cooper Outer Shield Tatek Marine Nem, Wall Thekness (n) PVC - Paywing Chioride 032 Overall Cable Overall Cable Overall Cable 0 Coreal Cable 0 Coreal Color Code Char: Verall Cable 0 Coreal Namine Diameter: 0.24 in. Overall Romine Diameter: 0.24 in. Overall Cable Weight: 30°C To + 80°C Overall Cable Weight: 31 Bar/1000 fr. Max. Recommeder Pulling Tension: 41 Ba. Max. Recommeder Pulling Tension: 41 Ba. Max. Becommeder Pulling Tension: CMG NeClub Specifications and Agency Compliance (Overall) Neclub Specifications of Agency Compliance (Overall) Neclus Specifications and Agency Compliance (Overall) CMG Neclus Specifications of Clore Compliance (Overall) CMG		
Butter Shield Material: Coverage (h) Dute Shield Drain Wine AUC: Coverage (h) Average (h) Date Shield Drain Wine AUC: Average (h) Date Shield Material: Duter Shield Material: Development All Thickness (in provide the field of 202 Duter Shield Material: Development All thickness (in provide the field of 202 Duter Shield Material: Development All thickness (in provide the field of 202 Duter Shield Balance (coverage (h) 202 Duter Shield Material: Development All thickness (in provide the field of 202 Duter Shield Balance (coverage (h) 202 Development Cober Development All thickness (in provide the field of 202 Development Cober (coverage (h) Winker (h) Balance (coverage (h) 022 (h) Development Point Point (h) 202 (h) Development Point Point (h) 202 (h) Development Point Point (h) 202 (h) Max Recommende Pulling Tension: 200 (h) Max Rec		
Tape Auminum Foll-Podyester Tape 100 Outer Steldel Drini Wire AWS: Autority Time Conductor Material AVG Stranding Drain Wire Conductor Material Autor Stelde Material: Outer Jacket Material: Outer Jacket Material: Duter Jacket Material: Overall Cable Overall Cable Overall Nominal Dimeter: 0.224 in. Ectlance -30°C To 180°C UL Temperature Range: -30°C To 180°C UL Temperature Range: -30°C To 180°C UL Temperature Range: -30°C To 180°C Multi Stelde Meight: 31 lbs/1000 fl. Mun. Bend Radus/Minor Axis: 2250 in. Opplicab	Outer Shield Outer Shield Material:	
Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material 24 Tic-Tinned Cooper Duter Jackt Outer Jackt Material Overall Cabling Color Code Chart: Number Color 2 While 3 Red 4 Oren 9 Yellow Overall Cabling Color Code Chart: 0.224 in. Corrange 9 9 Yellow Overall Nominal Diameter: 0.224 in. Corrange -90°C (UL AVM Style 2464) Buik Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bond Radius/Minor Axis: 2.200 in. pplicable Standards & Environmental Programs CMG NEC(UL) Specifications CMG CEC/(UL) Specification: CMG	Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
Avg Stranding Drain Wire Conductor Material: 24 1/2 - Tinned Copper Dutor Jacket Material: Dutor Jacket Material: PVC - Polyviny Choride 032 Decision Color	Beldfoil® Tape Aluminum Foil-Polyester T	ape 100
4 7x32 TC - Tinned Copper Duter Jacket Main 2 Acket Main 2 Acket Outer Jacket Material: Mon. Wall Thickness (in) PVC - Polyvinyl Choride 032 Doverall Cable Overall Cabling Color Code Chart: Munber Color 1 Black 2 Write 3 Red 5 Room 6 Blue 7 Organge 8 Yellow 0 Overall Cable Overall Neminal Diameter: 0.224 in. 0 Overall Neminal Diameter: 0.224 in. 0 Valiow Soli'' Colo'''''''''''''''''''''''''''''''''		
Defer Jacket Material: Duter Jacket Material: Nom. Wall Thickness (n) PVC - Polymyl Choorde (0.052 Corrall Cable Corrall Nominal Dameter: 0.224 in. Corrall Cable 0.224 in. Corrall Cable 0.224 in. Corrall Cable 0.224 in. Corrall Cable Corrating Temperature Range: 0.224 in. UL Temperature Rating: 0.224 in. Buik Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.20 in. Pplicable Standards & Environmental Programs Nec/(UL) Specif		
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Schler Material Nom. Wall Thickness (in.) PVC - Roying Chiendie 032 Strain Schler Material Schler Material Nom. Wall Thickness (in.) PVC - Roying Temperature Range: 0.224 in. Orerall Rominal Diameter: 0.224 in. Oberalin Schler Material Schler Weight: 30°C To +80°C U Temperature Range: 30°C To +80°C Max. Recommended Pulling Tension: 41 lbs. Min. Bend RediusMinor Axits: 250 in. PUE/Chille Specification: CMG MEC (UL) Specification: CMG MEC (UL) Specification: CMG		
Duter Jacket Material Nom. Wall Thickness (in) PVC - Polyviny Chicride 032 Vorall Cable Dovall Gable Golor Code Chart: Number Color 1 Number Color 2 1 Black 2 2 2 4 3 8 9 10 11 12 12 0 13		
Overall Cable Overall Cabling Color Code Chart: 1 1 1 1 2 1 2 1 3 Red 4 Green 5 Blue 7 Grange 8 Yellow Overall Nominal Diameter: 0.224 in. Dectating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AVM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2250 in. pplicable Specifications and Agency Compliance (Overall)		
Verill Cabling Color Code Chart: I Image Iteration Image Iteration Image Iteration	PVC - Polyvinyl Chloride .032	
Number Color 1 Black 2 White 3 Red 4 Green 5 Brown 6 Blue 7 Orange 8 Yellow 0.224 in. 0.224 in. Poerating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Min. Bend Radius/Minor Axis: 2250 in. Policable Standards & Environmental Programs MEC/(UL) Specifications and Agency Compliance (Versil) Nec. Marciaes: 800 Min. Bend Radius/Minor Axis: CMG Min. Bein C	Overall Cable	
1 Black 2 While 3 Red 4 Creen 5 Brown 6 Blue 7 Orange 8 Yellow Overall Nominal Diameter: 0.224 in. ect-ncical Characteristics (Overall) 0.224 in. Operating Temperature Range: -30°C To +80°C UL Temperature Range: -30°C To +80°C UL Temperature Range: -30°C To +80°C UL Temperature Range: -30°C To +80°C Min. Gable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) 2.250 in. NCO/(UL) Specifications: CMG MEC Articles: 800 CEC/C(UL) Specification: CMG		
2 White 3 Red 4 Green 5 Brown 6 Blue 7 Orange Overall Nominal Diameter: 0.224 in. Overall Nominal Diameter: 0 0.224 in. Operating Temperature Range: 0 -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. PUICable Specifications and Agency Compliance (Overall) AGG MEC/(UL) Specification: CMG MEC/(UL) Specification: CMG MEC/(UL) Specification: CMG		
4 Green 5 Brown 6 Blue 7 Orange 8 Yellow Overall Nominal Diameter: 0.224 in. Idechanical Characteristics (Overall) 0 Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) spplicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC/(UL) Specification: CMG NEC/(UL) Specification: CMG		
5 Brown 6 Blue 7 Orange 8 Yellow Overall Nominal Diameter: 0.224 in. Dechanical Characteristics (Overall) Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall) Verdication: NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	3 Red	
6 Blue 7 Orange 8 Yellow Overall Nominal Diameter: 0.224 in. Dechanical Characteristics (Overall) -30°C To +80°C UL Temperature Range: -30°C To +80°C JL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall)		
7 Orange 8 Yellow Overall Nominal Diameter: 0.224 in. Idechanical Characteristics (Overall) -30°C To +80°C Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs MEC (UL) Specification: CMG NEC Articles: 800 CEC/(UL) Specification: CMG		
8 Yellow Overall Nominal Diameter: 0.224 in. Interchanical Characteristics (Overall) 0.224 in. Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/(UL) Specification: CMG		
Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG		
Operating Temperature Range: -30°C To +80°C UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. Pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC/(UL) Specification: CMG CEC/C(UL) Specification: CMG	Overall Nominal Diameter:	0.224 in.
UL Temperature Rating: 80°C (UL AWM Style 2464) Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC/(UL) Specification: CMG CEC/C(UL) Specification: CMG	Mechanical Characteristics (Overall)	
Bulk Cable Weight: 31 lbs/1000 ft. Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) pplicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	Operating Temperature Range:	-30°C To +80°C
Max. Recommended Pulling Tension: 44 lbs. Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	UL Temperature Rating:	80°C (UL AWM Style 2464)
Min. Bend Radius/Minor Axis: 2.250 in. pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	Bulk Cable Weight:	31 lbs/1000 ft.
pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	Max. Recommended Pulling Tension:	
NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG	Min. Bend Radius/Minor Axis:	2.250 in.
NEC/(UL) Specification: CMG NEC Articles: 800 CEC/C(UL) Specification: CMG		ice (Overall)
NEC Articles: 800 CEC/C(UL) Specification: CMG	Applicable Standards & Environmental Programs	
CEC/C(UL) Specification: CMG	NEC/(UL) Specification:	CMG
	NEC Articles:	800
AWM Specification: UL Style 2464 (300 V 80°C)	CEC/C(UL) Specification:	CMG
	AWM Specification:	UL Style 2464 (300 V 80°C)

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9538 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
Electrical Characteristics (Overall)	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft) 33	
Nom. Capacitance Cond. to Other Conductor & Shield:	
Capacitance (pF/ft) 65	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 25	
Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 18	
Max. Operating Voltage - UL:	
Voltage	
300 V RMS	

Max. Recommended Current:

Current Description

10C Temperature Rise | 1.75 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9538 060U1000	1,000 FT	33.000 LB	CHROME		8 #24 PVC FS PVC
9538 060U500	500 FT	17.000 LB	CHROME		8 #24 PVC FS PVC
9538 060100	100 FT	3.900 LB	CHROME		8 #24 PVC FS PVC
9538 0601000	1,000 FT	34.000 LB	CHROME	С	8 #24 PVC FS PVC
9538 060500	500 FT	17.000 LB	CHROME	С	8 #24 PVC FS PVC
9538 0605000	5,000 FT	165.000 LB	CHROME	С	8 #24 PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-06-2013

© 2015 Belden, Inc All Rights Reserved.

All hough 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 not the best of Belden's knowledge, information, and belief at the date of its publication. The information and yother operation of the product itself or 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

9538 Multi-Conductor - Computer Cable for EIA RS-232 Applications