Detailed Specifications & Technical Data



8112 Multi-Conductor - Parallel Digital Video



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs, overall Beldfoil® + TC braid shield (65% coverage), TC drain wire, PVC jacket.

fileid (05% coverage), TC	Jurain wire, FVO jacket.
nysical Characteristics (Overa	all)
onductor	
AWG:	
# Conductors # Pairs AWG Strand	
1 12 24 7x32	TC - Tinned Copper
Total Number of Conductors:	25
sulation	
Insulation Material:	
Insulation Trade Name Insulation	Material Wall Thickness (mm)
Datalene® FPE - Foam	n Polyethylene 0.330
uter Shield	
Outer Shield Material:	
Layer # Outer Shield Trade Name	Type Outer Shield Material Coverage (%)
1 Beldfoil®	Tape Aluminum Foil-Polyester Tape w/Shorting Fold 100
2	Braid TC - Tinned Copper 65
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Condu	uctor Material
24 7x32 TC - Tinned Coppe	
outer Jacket Outer Jacket Material:	
	Thisteen (and
Outer Jacket Material Nom. Wall PVC - Polyvinyl Chloride 0.889	Thickness (mm)
verall Cable	
Overall Nominal Diameter:	11.176 mm
air	
Pair Color Code Chart:	
Number Color	
1 White/Blue & Blue/	White
2 White/Orange & O	range/White
3 White/Green & Gre	
4 White/Brown & Bro	own/White
5 White/Gray & Gray	y/White
6 Red/Blue & Blue/R	
7 Red/Orange & Ora	ange/Red
8 Red/Green & Gree	
9 Red/Brown & Brow	vn/Red
10 Red/Gray & Gray/	
11 Black/Blue & Blue/	
12 Black/Orange & Or	range/Black
Single Conductor Gray	
Pair Lay Length & Direction:	
Lay Length (mm) Twists (twist/m)	Direction
	Left Hand
51.750 51.490	
echanical Characteristics (Ov	verall)
Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	136.914 Kg/Km

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

8112 Multi-Conductor - Parallel Digital Video

Ise a Radialization Ariz: 14 300 mm Applicable Standing and Agong Compliance (Vor Standing & Environmental Programs An Net Out Standing & Environmental Programs CM MeD Arith 2014 Standing & Vero Vero Med Arith 2014 Standing & Vero Vero Med Arith 2014 Standing & Vero Vero Med Aris Compliance Data (mmddryyy): OHO Arith 2014 Standing & Vero Med Arith 2014 Standing & Vero Vero </th <th>Max. Recommended Pulling Tension:</th> <th>342.511 N</th>	Max. Recommended Pulling Tension:	342.511 N
Application is Simulation & Environmental Programs 04 NECKULS specification: 0A Method Sectification: Us Big 2019 (0 V 40°C) Exclusion: Us Big 2019 (0 V 40°C) Exclusion: Vs Big 2010 (0 V 40°C) <td< th=""><th>Min. Bend Radius/Minor Axis:</th><th>114.300 mm</th></td<>	Min. Bend Radius/Minor Axis:	114.300 mm
NE(VIL) Specification: Oid CEC/LUQ Specification: Oid NMS Specification: U. Silve 2019 (0/ V 60°C) EU Charlene 2011 (USE UC/SHS): Vis EU Charlene 2020 SUE (CL/S): Vis EU Decirite 2020 SUE (CL/S): Vis EU Decirite 2020 SUE (CL/S): Vis EU Decirite 2020 SUE (CL/SF): Vis Substille Network Vis Substille Network Vis Substille Network Vis Substille Network Vis Parity More Network Nit Substille Network Nit Parity Mor		ce (Overall)
NEC Articles: 800 DEC(UL) Specification: CM AWM Specification: U.Sky 2919 (20 V 80'C) EU Dercive 2006/SHECUR(NHS II): Ves EU Dercive 2006/SHECUR(SHS): Ves		
CEC/CULLS Specification: CLM AW Directive 20116/EU (ROHS H): Yee EU Construit No EU Construit No EU Directive 20015/EC (EU/): Yee EU Directive 20025/EC (ROHS): Yee EU Directive 2005/FEC (ROHS): Yee EU Directive 2005/FEC (ROHS): Yee EU Fame Test: UL Heads FUL Leading EU Fame Test: UL Heads FUL Leading Builability Bolt Suitability No Planum Number: No Planum Number: No Planum Number: No Planum Number: No Functionation Conductor to Conductors: Functionation Conductors: Functionation Conductors: Functionation: Functionation Conductor to Co		
AVM Specification: UL Style 2819 (S0 V 80°C) EU Directive 2019/SEC (RoHS 8): Yes EU Directive 2000/SEC (RoHS): Yes MI Order #38 (China RoHS): Yes MI Order #38 (China RoHS): Yes MI Order #38 (China RoHS): Yes Stability - Indoor: Yes Stability - Indoor: Yes Non- Yes Stability - Indoor: Yes Stability - Indoor: Yes Non- <		
EU Directive 2001/95/EU (ROHS II): Yes EU Celvacive 2000/95/EC (ELV): Yes EU Directive 2000/95/EC (REMS): Yes EU Directive 2001/95/EC (REMS): Yes EU Directive 2001/95/EC (REMEP): Yes EU Directive 2001/95/EC (REMEP): Yes EU Directive 2001/95/EC (REMEP): Yes Teame Teat: Ut 1680 UL Loading CGA Frame Teat: Ut 1680 UL Loading CGA Frame Teat: Ut 1680 UL Loading EU Flame Teat: Ut 1680 UL Loading CGA Frame Teat: Ut 1680 UL Loading Eutability - Indogr: Yes Plenum Numbar: No Plenum Numbar: No Non: Characteristics (Overall)		
EU C Mark: No EU Directive 20033/EC (RVHS): Yes EU Directive 20023/EC (RVHS): Yes EU Directive 20023/EC (RFR): Yes EU Directive 20033/EC (RFR): Yes CA Prop SS (CJ for Wire & Cable): Yes MI Order SD (CHRS): Yes EU Directive 20033/EC (RFR): Yes CA Prop SS (CJ for Wire & Cable): Yes MI Order SD (CHRS): Yes EU Directive 20033/EC (RFR): Yes CA Prop SS (CJ for Wire & Cable): Yes Flame Test: UL 1085 UL Looding CSA Flame Test: FI1 Suitability Mono: Test UL Rome Test: FI1 Suitability Indoor: Yes Flame Test: Yes Mono: Characteristic (Noreal) Non: Capacitance Conductor to Conductor: Capacitance		UL Style 2919 (30 V 80°C)
EU Directive 2003/SEC (ELV): Yes EU Directive 2003/SEC (RoHS): Yes EU Directive 2003/SEC (ROHS): 10/01/2004 EU Directive 2003/SEC (ROHS): Yes EU Directive 2003/SEC (ROHS): Yes EU Directive 2003/SEC (ROHS): Yes EU Directive 2003/SEC (Conternition of the second context and second c		
EU Directive 200296/EC (RoHS): Yes EU RoHS Compliance Data (mm/ddyyyy): 0101/2004 EU Directive 200296/EC (WEEE): Yes EU Directive 200296/EC (ROHES): Yes CA Prop 68 (CJ for Wine & Cablo): Yes MI Order #39 (China RoHS): Yes Flame Test: UL 1080 UL Loading CSA Flame Test: UL 1080 UL Loading Suitability Suitability Suitability No Plenum Mone-Plenum Plenum Number: Plenum Winber: No Plenum Work: No Plenum Work: No Plenum Work: No Nom: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to CR Resistance: Capacitance Conductor CR Resistance: Diff 2027 (Onemand) Shield: Capacitance Conductor CR Resistance: Capacitance Conductor CR Resistance: Diff 2027 (Onemand Noter) Capacitance C		
EURoHS Compliance Date (mmiddiyyyy): 0.01/2004 EU Directive 2002/BEC (WEEE): Yes EU Directive 2002/BEC (GER): Yes EU Directive 2002/BEC (GER): Yes Mill Order #39 (China RoHS): Yes Mill Order #39 (China RoHS): Yes Flame Test: UL 1885 UL Loading CSA Flame Test: FT1 Sutability FT1 Sutability FT1 Sutability - Indoor: Yes Plenum/On-Plenum Yes Plenum Number: 88112 Non: Oparateristic (Overall) Non: Non: Oparateristic Impedance: Non: Impediance Conductor to Conductor: Scalinance (FIM) Non: Capacitance Conductor to Conductor: Scalinance (FIM) 11:020 Non: Non: Capacitance Conductor to Conductor: Scalinance (FIM) 11:020 Non: Non: Capacitance Conductor to Conductor & Shield: Scalinance (FIM) 11:020 Non: Non: Capacitance Conductor & Shield: Scalinance (FIM) 11:020 Non: <	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 20029/EEC (WEEE): Yes EU Directive 20029/LEC (BFR): Yes CA Pop 65 (CJ for Wirk & Cabio): Yes MI Order #38 (China RoHS): Yes Ham Test: UL:1685 UL Loading CSA Flame Test: FT1 Suitability Suitability Suitability No Plenum YNN: No Plenum (YN): No Social Conductor IC Conductor: CGapacitance (Onton) 0:0 Conductor Conductor: Gapacitance Conductor IC Conductor: CGapacitance (Plenum) 7:12 No Nom: Conductor ID Conductor & Shield: CGapacitance (Plenum) 7:12	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 85 (CJ for Wire & Cablo): Yes Mit Order #39 (China RoH5): Yes Etams Test: UL 1085 UL Loading CSA Flame Test: UL 1085 UL Loading Stability Suitability Suitability Suitability Suitability No Plenum (Yn): No Noracetaristic impedance: Compacitance Conversites impedance: Mit diatas Compacitance Conversites impedance: Moracetaristic impedance: Compacitance Conductor to Conductor: Capacitance Conductor O Conductor & Shield: Compacitance Conversites impedance: VE f G	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
CA Prop 65 (CJ for Wire & Cubie): Yes MID Order #39 (China RoHS): Yes Flame Test UL 1685 UL Loading CSA Flame Test: UL 1685 UL Loading Statubility Flame Test: Flame Test: Suitability Flame Test: Flame Test: Suitability Indoor: Yes Plenum Non-Plenum Plenum Number: 88112 Plenum Number: 88112 Rest Plenum Number: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (pfm) 100 Mon. Capacitance Conductor to Conductor & Shield: Shield: Capacitance (pfm) No No 11015 Non. Conductor to Conductor & Shield: Capacitance (pfm) 11015 Non. Conductor to Conductor & Shield: Shield: Capacitance (pfm) No No 78 No No 78 No No Mon. Conductor to Conductor & Shield: Capacitance (pfm) 78 No No 78 No No	EU Directive 2002/96/EC (WEEE):	Yes
Mill Order #39 (China RoHS): Yes Flame Test: UL 1885 UL Loading GSA Flame Test: FT1 Solitability Solitability Suitability - Indoor: Yes Plenum Numoher: No Plenum Number: 88112 Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance Gr/M Gapacitance Gr/M Solitability 1012 Solitability Nom. Capacitance Conductor to Conductors & Shield: Capacitance Gr/M 1213 Nom. Capacitance Gr/M 1213 Nom. Conjuctor Of Propagation: Vier (W) Nom. Conjuctor De Conductor & Shield: Capacitance (Gr/M) Solitability 78.744 Nom. Conjuctor Of Consistance: DCR 2012 (Ohmin/M) Nom. Conjuctor Shield DC Resistance: DCR 201	EU Directive 2003/11/EC (BFR):	Yes
Flame Test: UL 1685 UL Loading CSA Flame Test: F11 Suitability Suitability Suitability Yes Plenum (VN): Yes Plenum (VN): No Plenum (VN): 88112 Electrical Characteristics (Overall) Non. Non. Characteristics (Impedance: Impedance (Omm) 100 Non. Capacitance Conductor to Conductor. Cispacitance (Drim) Non. Non. Capacitance (Drim) Non. Non. Capacitance Conductor to Conductor & Shield: Cispacitance (Drim) Non. Capacitance (Drim) Non. Capaci	CA Prop 65 (CJ for Wire & Cable):	Yes
UL Rame Test: UL 1085 UL Loading CSA Flame Test: FTI Suitability Vas Suitability Vas Plenum Non-Plenum No Plenum Number: 08112 Ctrical Characteristics (Overall) 0 Non-Acatoristic Impedance: Impedance (Fim) Impedance (Fim) Vas Non-Acatoristic Impedance: Vas Impedance (Fim) Vas Non-Acatoristic Impedance: Vas Impedance (Fim) Vas Non-Acatoristic Impedance: Vaso Impedance (Fim) Vaso Non-Acatoristic Impedance: Vaso Impedance (Fim) Vaso Non-Acatoristic Impedance: Vaso Impedance (Fim) Vaso Yaso Non-Acatoristic Impedance: Impedance (Fim) Vaso Yaso Non-Acatoristic Impedance: Impedance (Fim) Vaso Yaso Non-Acatoristic Impedance: Impedance (Fim) Vaso Yaso Non-Acatoristic Impedance: <td>MII Order #39 (China RoHS):</td> <td>Yes</td>	MII Order #39 (China RoHS):	Yes
CSA Flame Test: FT1 Suitability wes Suitability Ves Plenum/Non-Plenum Plenum (Ni): Plenum Number: 88112 Statustication (Ni): No Plenum Number: 88112 Statustication (Ni): No Impedance: Impedance: Impedance: Operation (Ni): Nom. Capacitance (pfm) Capacitance (pfm) 410125 Capacitance (non) Value Shield: Capacitance (pfm) Capacitance (non) Vitigg Shield: Capacitance (pfm)	Flame Test	
Suitability Yes Plenum/Khon-Plenum No Plenum Kinhon-Plenum 88112 Plenum Number: 88112 Electrical Characteristics (Overall) No Nom. Characteristics (Overall) No Nom. Characteristics (Doverall) No Nom. Characteristics (Doverall) No Nom. Characteristics (Doverall) No Nom. Characteristic Impedance: Impediance (Ohm) 10125 Nom. Characteristic Impedance: Capacitance (DF/m) Nom. Capacitance (DF/m) 7.182 Nom. Capacitance (DF/m) 7.184 Nom. Capacitance (DF/m) <t< td=""><td>UL Flame Test:</td><td>UL1685 UL Loading</td></t<>	UL Flame Test:	UL1685 UL Loading
Suitability - Indoor: Yes Plenum Number: No Plenum Number: 88112 Constraints (Coveral) No Nom. Characteristics (Overal) No Nom. Characteristic Impedance: Impedance (Ohm) 100 Nom. Characteristic Impedance: Suitability - Indoor: Impedance (Ohm) 101 Nom. Characteristic Impedance: Suitability - Indoor: Impedance (Ohm) 102 Nom. Characteristic Impedance: Suitability - Indoor: Impedance (Ohm) 102 Nom. Characteristic Impedance: Suitability - Indoor: Impedance: Capacitance (Pfim) Impedance: 102 Impedance: Suitability of Propagation: Impedance: VP (%) Impedance: 27.14 Impedance: Nom. Impedance: 28.12 Impedance: Suitability of Visitability of Propagation: Impedance: 28.12 Impedance: Suitability of Visitability of Propagation: Impedance: 28.12	CSA Flame Test:	FT1
Plenum (Vn): No Plenum Number: 88112 Electrical Characteristics (Overall) 88112 Nom. Characteristic Impedance: Impedance (Ohm) 100 Sapacitance Conductor to Conductor: Capacitance (pf/m) 110125 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.4 Nom Conductor DC Resistance: DCR @ 20°C (Ohm/km) 110125 30V FMS UL NVM 2015 Max. Departing Voltage - UL: Voltage Bescription 30V FMS UL NVM 2015 <tr< th=""><th>-</th><th></th></tr<>	-	
Penum (v/N): No Penum Number: 08112 Contracteristic (Overall) Nor. Characteristic Impedance: Impedance (Ofm) 0 100 Non. Capacitance Conductor to Conductor: Gapacitance (pFm) - 1125 Non. Capacitance (pFm) 1215 - Non: Capacitance (pFm) 1216 - Non: Capacitance (pFm) 1218 - Non: Conductor DC Resistance: 1219 - Non: Conductor DC Resistance: 1219 - Non: Conductor Shield DC Resistance: 1219 - 1219 - 1219 - 1219 - 1219 - 1219 -		Yes
Plenum Number: 8812 Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) Nom. Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (offm) 41.0125 Nom. Capacitance (offm) 72.182 Nom. Capacitance (offm) VP (%) Nom. Capacitance Conductor & Shield: Capacitance (offm) Nom. Capacitance Conductor & Shield: VP (%) Nom. Nom. Statuse Nom. Statuse		Νο
Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 100 Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 11:125 Nom. Capacitance (pF/m) 72:182 Nominal Volcity of Propagation: VP (%) 78 Nominal Volcity of D Resistance: DCR @ 20°C (Ohm/km) 7.8.744 Nax. Operating Voltage - UL: Voltage Description 30° RMS UL AVM 2919 Max. Recommeded Current: Description Sortents: Capacitance model Current:		
Nom. Characteristic Impedance: Impedance (Ohm) 100 Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 41.0125 Nom. Capacitance (pF/m) 72.162 Nom. To capacitance (pF/m) 72.162 Nom. Conductor D Conductor & Shield: Capacitance (pF/m) 72.162 Nom. Conductor D C Resistance: VP (%) 78 Nom. Conductor D C Resistance: DCR @ 20°C (Ohm/km) 7.874 Nominal Outer Shield D C Resistance: Max. Coprating Voltage UL: Max. Coprating Voltage UL: Max. Coprating Voltage UL: Max. Recommended Current: Max. Recommended Current:		
Impedance (Ohm) 100 Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 41.0125 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: VP (%) 78.744 Nom. Outprot Shield DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 Nom. Outprot Shield DC Resistance: VP (%) Nom. Outprot Shield DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 Nome Shield DC Resistance: VB (%)		
Capacitance (pF/m) 41.0125 Nom. Capacitance (oF/m) 72.182 Nominal Velocity of Propagation: VP (%) 78 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 National Velocity of Voltage - UL: Voltage Description 300V RMS UL type CM 300V RMS UL type CM 30V RMS UL AVM 2919 Max. Recommended Current: Description Capacitance Capacitance Description Current	Impedance (Ohm)	
Capacitance (pF/m) 72.182 Nominal Velocity of Propagation: VP (%) 78 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 Max. Operating Voltage - UL: Voltage Description 300V RMS UL type CM 30V RMS UL AVM 2919 Max. Recommended Current: Description Current	Capacitance (pF/m)	
Nominal Velocity of Propagation: VP (%) 78 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 Max. Operating Voltage - UL: Voltage Description 300V RMS UL type CM 30V RMS UL type CM 30V RMS UL AVMN 2919 Max. Recommended Current: Description Current	Capacitance (pF/m)	
DCR @ 20°C (Ohm/km) 78.744 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 7.8744 7.8744 7.8744 7.8744 Max. Operating Voltage - UL: Voltage 0escription 30V RMS UL type CM 30V RMS UL AWM 2919 Max. Recommended Current: Description Current	VP (%)	
DCR @ 20°C (Ohm/km) 7.8744 Max. Operatiry Voltage - UL: Voltage Description 300V RMS UL type CM 300V RMS UL AWW 2919 Max. Recommented Current: Description Current	DCR @ 20°C (Ohm/km)	
Voltage Description 300V RMS UL type CM 30V RMS UL AWM 2919 Max. Recommended Current: Description Current	DCR @ 20°C (Ohm/km)	
Max. Recommended Current Description Current	Voltage Description 300V RMS UL type CM	
Description Current		

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8112 Multi-Conductor - Parallel Digital Video

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8112 060100	100 FT	10.900 LB	CHROME		12 PR+1 #24 FHDPE SH PVC
8112 0601000	1,000 FT	101.000 LB	CHROME	С	12 PR+1 #24 FHDPE SH PVC
8112 060500	500 FT	51.000 LB	CHROME	С	12 PR+1 #24 FHDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-07-2013

© 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 in the ore 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.