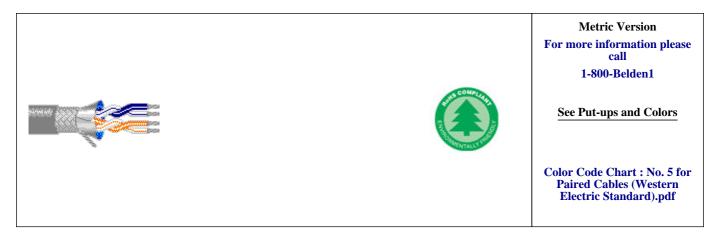
Detailed Specifications & Technical Data



BELDENCable^{**}

9842 Paired - Low Capacitance Computer Cable for EIA RS-485 Applications



Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| Number of Pairs | 2 | | | |
|----------------------------------|-------------------------|--------------------|--|-----------------------------|
| Total Number of Conductors | 4 | | | |
| AWG | 24 | | | |
| Stranding | 7x32 | | | |
| Conductor Material | TC - Tinned | Copper | | |
| INSULATION: | | | | |
| Insulation Material | PE - Polyethy | vlene | | |
| Lay Length : | | | | |
| Lay Length (cm) | Direction | Twists/ft (twist/m | | wist/m) |
| 2.54 | Left Hand Lay | 39.372 | | |
| Twists/ft. | 12 | | | |
| Pair Color Code Chart : | | | | |
| Number | Color | Number | | Color |
| 1 | White/Blue & Blue/White | 2 | | White/Orange & Orange/White |
| OUTER SHIELD: | | | | |
| Outer Shield Material Trade Name | Beldfoil® | | | |
| Outer Shield Type | Tape/Braid | | | |
| Outer Shield Material : | | | | |

| Layer Number | Material Trade Name | Туре | Material | % Coverage (%) |
|--------------|---------------------|-------|---------------------------------|----------------|
| 1 | Beldfoil® | Таре | Aluminum Foil-Polyester Tape | 100 |
| 2 | | Braid | TC - Tinned Copper | 90 |

Detailed Specifications & Technical Data



9842 Paired - Low Capacitance Computer Cable for EIA RS-485 Applications

Belden <mark>CDT</mark>

| Duter Shield Drain Wire AWG24Duter Shield Drain Wire Stranding7x32Duter Shield Drain Wire Stranding7x32Duter Shield Drain Wire Conductor Material7c7 Timed CopperOUTER JACKET:Duter Jacket MaterialPVC - Polyvinyl ChlorideOVERALL COMINAL DAMETER:8x36 mmDorendl Nominal Diameter8x36 mmOuter Along Colspan="2">Outer | | |
|---|---|---------------------------|
| Auter Shield Drain Wire Stranding 7.x32 Duter Shield Drain Wire Conductor Material Tc - Tinned Copper OUTER JACKET: Prolyvinyl Chloride OUTER JACKET: Prolyvinyl Chloride OVERALL NOMINAL DIAMETER: Scottanta Scottant | OUTER SHIELD DRAIN WIRE : | |
| Outer Shield Drain Wire Conduct MaterialTC - Tinned CopperOUTER JACKET:Outer Jacket MaterialPVC - Polyvinyl ChlorideOVERALL NOMINAL DIAMETER:Overall Nominal Diameter8.636 mmMECHANICAL CHARACTERISTICS:Operating Temperature Range-30°C To +80°CUI. Temperature Range-30°C To +80°CUI. Temperature Range-20268 Kg/KmMaka Recommended Pulling Tension386.903 NMax. Recommended Pulling Tension386.903 NMax. Recommended Pulling Tension20208 Kg/KmAppLICABLE SPECIFICATIONS AND AGENCY/CWFLIANCE:APPLICABLE SPECIFICATIONS AND AGENCY/CWFLIANCE:APPLICABLE SPECIFICATIONS AND AGENCY/CWFLIANCE:CU(UL) SpecificationCMCEC(UL) SpecificationCMCEC(UL) SpecificationCMCU CE Mark (Y/N)YesEU CE Mark (Y/N)YesEU CE Mark (Y/N)SPenaum (YN)NPlanaum (YN)NPlanaum (YN)NPlanaum (YN)NPlanaum (YN)NNon-Characteristic ImpedanceJ00/msNon-Characteristic Impedance100 Pupr/mNon-Characteristic Impedance20 OhmsNon-Characteristic ImpedanceS4430 F/mNon-Characteristic Impedance20 Sin NiNon-Characteristic Impedance20 Sin NiNon-Characteristic Impedance73.430 F/mNom-Characteristic Impedance73.430 F/mNom-Characteristic Impedance73.430 F/mNom-Characteristic Impedance73.430 F | Outer Shield Drain Wire AWG | 24 |
| der Jackt Aaerial VC Polyaipal Choide der Jackt Auerial Choide der Jackt Auerial Choide der Jach | Outer Shield Drain Wire Stranding | 7x32 |
| Dure Jacket Material PCC - Polyvinyl Chloride Overall Nominal Diameter 8.636 mm Devrall Nominal Diameter 8.636 mm MECHANICAL CHARACTERISTICS: 30°C To + 80°C Unremprature Range 80°C Balk Cable Weight 80°C Balk Cable Weight 80°C Max. Recommended Pulling Tension 86.993 N Appl. Cable SPECIFICATIONS AND AGENCUMPIANCE PULOSABLE SPECIFICATIONS AND AGENCUMPIANCE APPLICABLE SPECIFICATIONS AND AGENCUMPIANCE PULOSABLE SPECIFICATIONS AND AGENCUMPIANCE VIDUI Specification Max APPLICABLE SPECIFICATIONS AND AGENCUMPIANCE PULOSABLE SPECIFICATIONS AND AGENCUMPIANCE VECCULJ Specification CM CCCCULJ Specification CM CDCCULJ Specification CM EU CHAR (V/N) Yes EU CHAR COMPLENCUM Yes Plenum Number S00 / 100/004 EU CHAR (V/N) Na EU CHUNON-PLENUM Yes Plenum Number S02 / 100/005 Non-Capacitane Conductor Of MEME Jes/97 //100/001 Non-Capacitane Conductor Of MEME | Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |
| OVERALL NOMINAL DIAMETER: Diverall Nominal Diameter 8.636 mm MECHANICAL CHARACTERISTICS: Diperating Temperature Range -30°C To +80°C Ut Temperature Rating 80°C Bulk Cable Weight 9.2.268 Kg/Km Max. Recommended Pulling Tension 366.993 N Ams. Recommended Pulling Tension 88.9 mm APPLICABLE SPECIFICATIONS AND AGENCY CMPLIAMEL SPECIFICATIONS AND AGENCY APPLICABLE SPECIFICATIONS AND AGENCY CMPLIAMEL SPECIFICATIONS CDC/CUL) Specification CM VEX/(U) Specification CM EUCCUCL Specification UL Style 2919 (30 V 80°C) EU CHARK (Y/N) Yes EU RoHS Compliance Date (mm/dd/yyyy): 01/02004 Plenum Number 8242 ELECTUCAL CHARACTERISTICS: SPS Nom. Capacitance Conductor | OUTER JACKET: | |
| Diversition8,636 mmDoverall Nominal Diameter8,636 mmMECHANICAL CHARACTERISTICS:Diperating Temperature Range-30°C To +80°CUl Temperature Rating80°CBalk Cable Weight92.268 Kg/KmMax. Recommended Pulling Tension386.993 NAms. Recommended Pulling Tension386.993 NAPPLICABLE SPECIFICATIONS AND AGENCYVMPLIANCE:APPLICABLE STANDARDS:CMVEC(UL) SpecificationCMCECC(UL) SpecificationUL Style 2919 (30 V 80°C)EU CE Mark (Y/N)YesEU RoHS Compliance Date (mm/ddyyyy):10/1/2004EU RoHS Compliance Date (mm/ddyyyy):10/1/2004Plenum Number82842EUENTICAL CHARACTERISTICS:Plenum Number120 OhmsNon. Characteristic Impedance120 OhmsNon. Characteristic Impedance210 OhmsNon. Characteristic Impedance210 OhmsNon. Characteristic Impedance52.5 ms/mNominal Delay52.5 ms/mNominal Delay52.7 ms/mNominal Delay52.7 ms/mNominal Delay Conductor On Depersition52.18 Mms/mNominal Delay Conductor Sitelid DE Resistance @ 20 Deg. C7.18 Ohms/kmNominal Delay Conductor Sitelid DE Resistance @ 20 Deg. C7.18 Ohms/km | Outer Jacket Material | PVC - Polyvinyl Chloride |
| AcceanceOperating Temperature Range-0°C To +8°C ToUL Temperature Range0°CBuk Cable Weight92.68 Kg KmMax. Recommended Pulling Tension88.993 NArt Acceance88.903 NArt PLICABLE SPECIFICATIONS AND AGENCUCCURSCAPPLICABLE SPECIFICATIONS AND AGENCURSCAPPLICABLE SPECIFICATIONS AND AGENCURSCAPPLICABLE SPECIFICATIONS AND AGENCURSCAPPLICABLE SPECIFICATIONS AND AGENCURSCCUCCURS OperationCAPPLICABLE SPECIFICATIONSCCUCCURS OperationCCUCCURS OperationCCUCCURS OperationCCUCCURS OperationCCURS Operation (MidY)CCURS Operation (MidY)CCURS Operation (MidY)CParterin (MidY)SParterin (MidY)S< | OVERALL NOMINAL DIAMETER: | |
| Operating Temperature Range-30°C To +80°CUL Temperature Rating80°CBuk Cable Weight2.268 Kg/KmMax. Recommended Pulling Tension386.993 NAns. Recommended Pulling Tension8.9 mmAPPLICABLE SPECIFICATIONS AND AGENCCAPPLICABLE SPECIFICATIONSCVEC(UL) SpecificationCCUC Darie SpecificationCBUR MS Compliant (Y/N)FesBUR MSD Compliance Date (mm/ddygyg):010/1004Di Olo2004CPlenum NuberS2842EUEUTUNON-PLENUES2842EUEUTUSS2842EUEUTUSS2842Non: Characteristic Impedance190 Pf/mNon: Characteristic Impedance19.00 PinsNon: Characteristic Impedance5.463 pf/mNon: Characteristic Impedance5.463 pf/mNon: Characteristic Impedance5.463 pf/mNon: Characteristic Impedance5.25 m/mNon: Characteristic Impedance5.25 m/mNon: Characteristic Impedance5.26 m/mNon: Characteristic Impeda | Overall Nominal Diameter | 8.636 mm |
| Ul remperature Rating80°CBulk Cable Weight92.268 Kg/KmBulk Cable Weight386.993 NMax. Recommended Pulling Tension386.993 NAPPLICABLE SPECIFICATIONS AND AGENCYWPLIANCE:APPLICABLE SPECIFICATIONS AND AGENCYWPLIANCE:APPLICABLE STANDARDS:CMCCUL) SpecificationCMCECC(UL) SpecificationUL Style 2919 (30 V 80°C)EU Ce Mark (Y/N)YesEU Rohl S Compliant (Y/N)YesEU Rohl S Compliance Date (mm/dd/yyy):01/01/2004Plenum Mynber28242Plenum Mynber120 OhmsEUCETRICAL CHARACTERISTICS:Non. Characteristic Impedance120 OhmsNon. Capacitance Conductor to Conductor # 1 KHz75.463 pF/mNoninal Delay5.25 ns/mNominal Delay5.25 ns/mNominal Delay5.25 ns/mNominal Dulay Conductor DC Resistance @ 20 Deg.C7.140 Ohms/kmNom Attenuation (dB/100 ft)1969 (@ 1 MHz) dB/100m | MECHANICAL CHARACTERISTICS: | |
| Bulk Cable Weigh 92.268 Kg/Km Max. Recommended Pulling Tension 386.993 N Min. Bend Radius (Install) 88.9 mm APPLICABLE SPECIFICATIONS AND AGENCY UPLIANCE: APPLICABLE STANDARDS: NEC(UL) Specification CM CEC/C(LL) Specification CM CEC/C(LL) Specification CM CEC/C(LL) Specification UL. Style 2919 (30 V 80°C) EU CE Mark (Y/N) Yes EU RoHS Compliant (Y/N) Yes EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004 Plenum (Y/N) N Plenum (Y/N) N Plenum Number 2842 ELECTRICAL CHARACTERISTICS: Yes Nom. Characteristic Impedance 120 Ohms Nom. Capacitance Conductor to Conductor @1 KHz 41.997 pF/m Nominal Velocity of Propagation 66 % Nominal Delay 5.25 ns/m Nominal Delay 5.25 ns/m Nominal Outer Shield DC Resistance @20 Deg. C 7.181 Ohms/km Nominal Outer Shield DC Resistance @20 Deg. C 7.218 Ohms/km | Operating Temperature Range | -30°C To +80°C |
| Max. Recommended Pulling Tension386.993 NMin. Bend Radius (Install)88.9 mmAPPLICABLE SPECIFICATIONS AND AGENCYVPLIANCE:APPLICABLE SPECIFICATIONS AND AGENCYAPPLICABLE STANDARDS:VPLIANCE:APPLICABLE STANDARDS:VPLIANCE:APPLICABLE STANDARDS:VPLOUSCOLSPECIFICATIONS AND AGENCYCOLSPECIFICATIONS AND AGENCYVPLOUSCOLSPECIFICATIONSVPLOUSVPLOUSVPLOUSVPLOUSPlenum (Y/N)Non. Characteristic Impedance10 OhmsAGENCARCTERISTICS:VPLOUSNom. Characteristic Impedance10 OhmsNom. Capacitance Conductor Col 1KHz4.1997 PF/mNom. Capacitance Conductor Col 1KHzAlispen formNominal Velocity of Propagation66 %Nominal Delay5.25 m/mNominal DelayAlist Ohms/kmNominal Outer Shield DC Resistance 020 Deg. Col7.18 Ohms/kmNominal Outer Shield DC Resistance 020 Deg. ColNominal Outer Shield DC Resistance 020 Deg. ColNominal Outer Shield DC Resistance 020 Deg. | UL Temperature Rating | 80°C |
| Win. Bend Radius (Install) 88.9 mm APPLICABLE SPECIFICATIONS AND AGENCY Second Secon | Bulk Cable Weight | 92.268 Kg/Km |
| APPLICABLE STANDARDS: APPLICABLE STANDARDS: NEC/(UL) Specification CM CEC/C(UL) Specification CM CEC/C(UL) Specification UL Style 2919 (30 V 80°C) EU CE Mark (Y/N) Yes EU RoHS Compliant (Y/N) Yes EU RoHS Compliant (Y/N) Yes EU RoHS Compliance Date (mm/d/yyyy): 01/01/2004 PLENUM/NON-PLENUM: Plenum (Y/N) N Plenum (Y/N) N Plenum Number 2020 E EUECTRICAL CHARACTERISTICS: Nom. Characteristic Impedance 120 Ohms Autoration Conductor to Conductor @ 1 KHz 41.997 pF/m Nom. Characteristic Impedance 520 Deg. C Nominal Delay 5.25 ns/m Nominal Delay 5.25 ns/m Nominal Outer Shield DC Resistance @ 20 Deg. C Nom Autonuation (dB/100 ft) 1669 (@ 1 MHz) dB/100m | Max. Recommended Pulling Tension | 386.993 N |
| APLICABLE STANDARDS:APPLICABLE STANDARDS:NEC(UL) SpecificationMCEC/CUL) SpecificationMAVM SpecificationUSUP 2019 (30 K 0°C)AVM SpecificationSeEU CE Mark (YN)SeEU RoHS Compliant (YN)01/1004EU RoHS Compliance Date (mm/ddyygy):01/1004Plenum YNON-PLENUM:SePlenum NunberSeEDETCHTCH CHERENETSeNon Characteristic Impedance10 / 90 / 91 / 91 / 91 / 91 / 91 / 91 / | Min. Bend Radius (Install) | 88.9 mm |
| NuclearNEC/(UL) SpecificationCMCEC/C(UL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)EU CE Mark (Y/N)YesEU RoHS Compliant (Y/N)YesEU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:YesPlenum (Y/N)NPlenum (Y/N)NPlenum Y/N)120 OhmsELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Characteristic Impedance120 OhmsNom. Conductor to Conductor @ 1 KHz7.5.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C7.218 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 fi)1.969 (@ 1 MHz) dB/100m | APPLICABLE SPECIFICATIONS AND AGENCY | COMPLIANCE: |
| CEC/CUL) SpecificationCMAWM SpecificationUL Style 2919 (30 V 80°C)EU CE Mark (Y/N)YesEU RoHS Compliant (Y/N)YesEU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:Plenum (Y/N)NPlenum Number82842ELECTRICAL CHARACTERISTICS:Vol OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor 01 KHzNom. Capacitance Conductor to Conductor @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | APPLICABLE STANDARDS: | |
| AWM SpecificationUL Style 2919 (30 V 80°C)EU CE Mark (Y/N)YesEU RoHS Compliant (Y/N)YesEU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:Plenum (Y/N)NPlenum (Y/N)82842ELECTRICAL CHARACTERISTICS:Vol Masser Conductor to Conductor @ 1 KHzNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | NEC/(UL) Specification | CM |
| EU CE Mark (Y/N)YesEU RoHS Compliant (Y/N)YesEU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:NPlenum (Y/N)NPlenum (Y/N)NPlenum Number82842ELECTRICAL CHARACTERISTICS:120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @1 KHz41.997 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@1 MHz) dB/100m | CEC/C(UL) Specification | CM |
| EU RoHS Compliant (Y/N)YesEU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:Plenum (Y/N)NPlenum (Y/N)82842ELECTRICAL CHARACTERISTICS:Vom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz1.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz5.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | AWM Specification | UL Style 2919 (30 V 80°C) |
| EU RoHS Compliance Date (mm/dd/yyyy):01/01/2004PLENUM/NON-PLENUM:Plenum (Y/N)NPlenum Number82842ELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz41.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | EU CE Mark (Y/N) | Yes |
| PLENUM/NON-PLENUM: Plenum (Y/N) N Plenum Number 82842 ELECTRICAL CHARACTERISTICS: I20 Ohms Nom. Characteristic Impedance 120 Ohms Nom. Capacitance Conductor to Conductor @ 1 KHz 41.997 pF/m Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 75.463 pF/m Nominal Velocity of Propagation 66 % Nominal Delay 5.25 ns/m Nom. Conductor DC Resistance @ 20 Deg. C 78.744 Ohms/km Nominal Outer Shield DC Resistance @ 20 Deg. C 72.18 Ohms/km Nom. Attenuation (dB/100 ft) 1.969 (@ 1 MHz) dB/100m | EU RoHS Compliant (Y/N) | Yes |
| Plenum (Y/N)NPlenum Number82842ELECTRICAL CHARACTERISTICS:Vom. Characteristic Impedance120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor of 01 KHz1.997 pF/mNom. Capa Cond. to Other Cond. & Shield @ 1 KHz7.5463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C7.8744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| Plenum Number82842ELECTRICAL CHARACTERISTICS:120 OhmsNom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz41.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | PLENUM/NON-PLENUM: | |
| ELECTRICAL CHARACTERISTICS:Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz41.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Plenum (Y/N) | N |
| Nom. Characteristic Impedance120 OhmsNom. Capacitance Conductor to Conductor @ 1 KHz41.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Plenum Number | 82842 |
| Nom. Capacitance Conductor to Conductor @ 1 KHz41.997 pF/mNom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | ELECTRICAL CHARACTERISTICS: | |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz75.463 pF/mNominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Nom. Characteristic Impedance | 120 Ohms |
| Nominal Velocity of Propagation66 %Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Nom. Capacitance Conductor to Conductor @ 1 KHz | 41.997 pF/m |
| Nominal Delay5.25 ns/mNom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 75.463 pF/m |
| Nom. Conductor DC Resistance @ 20 Deg. C78.744 Ohms/kmNominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Nominal Velocity of Propagation | 66 % |
| Nominal Outer Shield DC Resistance @ 20 Deg. C7.218 Ohms/kmNom. Attenuation (dB/100 ft)1.969 (@ 1 MHz) dB/100m | Nominal Delay | 5.25 ns/m |
| Nom. Attenuation (dB/100 ft) 1.969 (@ 1 MHz) dB/100m | Nom. Conductor DC Resistance @ 20 Deg. C | 78.744 Ohms/km |
| | Nominal Outer Shield DC Resistance @ 20 Deg. C | 7.218 Ohms/km |
| An Oranting Valtage UI 200 V DMC | Nom. Attenuation (dB/100 ft) | 1.969 (@ 1 MHz) dB/100m |
| | Max. Operating Voltage - UL | 300 V RMS |
| Max. Recommended Current 2.1 Amps per conductor @ 25°C Page 2 of 3 | Max. Recommended Current | |

9842 Paired - Low Capacitance Computer Cable for EIA RS-485 Applications

PUT-UPS AND COLORS:

| Item | Description | Put-Up (M) | Ship Weight (kgs.) | Jacket Color | Notes |
|--------------|--------------------|------------|--------------------|--------------|-------|
| 9842 060100 | 2 PR #24 PE SH PVC | 30.48 | 2.633 | CHROME | |
| 9842 0601000 | 2 PR #24 PE SH PVC | 304.8 | 25.878 | CHROME | С |
| 9842 060500 | 2 PR #24 PE SH PVC | 152.4 | 13.393 | CHROME | С |

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-21-2005

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Belden CDT Electronics Division believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & amp; Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the 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 is a general guide for the safe handling, storage, and any other 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.

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