Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8342 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, multi-paired cable with overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

			lia shiela (65%	coverage), PVC jacket.
onductor	acteristics (Over	all)		
AWG:				
# Conducto	rs # Pairs AWG Stran	nding Conductor Material		
1	12 24 7x32	TC - Tinned Copper		
Total Number of Conductors:			25	
sulation				
Insulation Mate	erial:			
Insulation M	laterial	Wall Thickness (in.)		
S-R PVC - S	emi-Rigid Polyvinyl Chlo	oride 0.011		
uter Shield				
Outer Shield M				
-		Type Outer Shield Materia		
1 Bel 2	dfoil®	Tape Aluminum Foil-Polyes Braid TC - Tinned Copper	65	
2			05	
uter Jacket				
Outer Jacket N				
Outer Jacks		ll Thickness (in.)		
PVC - Polyv	inyl Chloride 0.040			
verall Cable				
	inal Diameter:		0.407 in.	
air Pair Color Cod	o Chorti			
Number	Color			
1	White/Blue & Blue	e/White		
2	White/Orange & 0			
3	White/Green & G			
4	White/Brown & Bi			
5	White/Gray & Gra			
6	Red/Blue & Blue/	-		
7	Red/Orange & Or			
8	Red/Green & Gre	-		
9	Red/Brown & Bro			
10	Red/Gray & Gray	/Red		
11	Black/Blue & Blue	e/Black		
12	Black/Orange & O	Drange/Black		
Single Cond	uctor Gray			
	haracteristics (O	verall)		
Operating Temperature Range:			-30°C To +80°C	
UL Temperature Rating:			80°C (UL AWM St	yle 2464)
Bulk Cable Weight:			100 lbs/1000 ft.	
Min. Bend Radius/Minor Axis:			4.250 in.	
pplicable Sp	ecifications and	Agency Compliance	(Overall)	
	ndards & Environm			
NEC/(UL) Sp		-	CMG	
CEC/C(UL) Specification:			CMG	
	pecification:		CIVIG	

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VIX Specification: UI Style 2444 (200 V 90°C). VIX MAY Secification: AVM I A VIX Specification: VIX Specification: VIX Specification: VIX Specification: <th></th> <th></th>		
EU Directive 2011/85/EU (ROHS II): Yea EU Directive 2000/85/EC (EL V): Yea EU Directive 2000/85/EC (EL V): Yea EU Directive 2005/85/EC (MEEE): Yea MI Order #39 (China RoHS): Yea Other #59ecification: C(RU) AVM II, A 80C 300V Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading Mournal/One-Plenum Plenum/NPi: Plenum/NPi: No Non-Capacitance Conductor to Conductor: Concentione Concentione So So So Non-Capacitance Conductor to Conductor: So Concentione So So So Non-Capacitance Conductor to Conductor: So So So	AWM Specification:	UL Style 2464 (300 V 80°C)
EU CE Mark: Yea EU Directive 20025/EC (EU); Yea EU Directive 20025/EC (KoHS): Yea MII Order SP (Chan RohS): Yea Ur Pame Test: UL1085 FT4 Loading EECTCICA Characteristics (Overall) No Non- Capacitance Conductor to Conductor: Capacitance (FMI) Non- Capacitance Conductor to Conductor: Capacitance (FMI) Non- Capacitance Conductor to Conductor: Capacitance (FMI) Non- Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor t	CSA Specification:	AWM I A
EU Directive 2000/59/EC (ELV): Yes EU Directive 2002/59/EC (Pach5): Yes EU Directive 2002/59/EC (Pach5): Yes EU Directive 2002/59/EC (Pach5): Yes EU Directive 2003/59/EC (Pach5): Yes Mit Order 59 (Char Nin's & Cabia): Yes Mit Order 59 (Char Nin's & Cabia): Yes Other 5 psentification: C(RU) AVM II, 4 80C 300V Flame Test: UL 1085 FT4 Loading CSA Finan Test: UL 1085 FT4 Loading CSA Finan Test: UL 1085 FT4 Loading Mit Order 59 (Coveralio) Non. Non. Characteristics (Overalio) Source (Stateristics) Non. Characteri	EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 200298/EC (R0H5): Yes EU RoHS Compliance Date (mm/ddyyyy): 1001/2005 EU Directive 200298/EC (WEEE): Yes MID Order #39 (Chins R0H5): Yes Other #59 (Chins R0H5): Yes Un Flame Test: U. (1005 FT4 Loading U. Flame Test: U. (1005 FT4 Loading ESA Flame Test: U. (1005 FT4 Loading Plenum Yon-Plenum Plenum (YN): Plenum Yon-Plenum Plenum (YN): Non-Capacitance Conductor to Conductor: Capacitance (Pfm] 30 Compacitance Conductor to Conductor: Capacitance (Pfm] Soccentration (Pfm] 30 Soccentration (Pfm] 30 Soccentration (Pfm] 31 Soccentration (Pfm] 32 Soccentration (Pfm] 33 Soccentration (Pfm] 33 Soccentration (Pfm] 33 Soccentration (Pfm] 33 Soccentration (Pfm]	EU CE Mark:	Yes
EU RoitS Compliance Date (mm/dd/yyy): 1001/2005 EU Directive 2002/FEC (WEEE): Yes EU Directive 2002/FEC (GFR): Yes EU Directive 2002/FEC (GFR): Yes MI Order #39 (Dina RoHS): Yes Other Spacification: C(RU) AVM I, A 80C 300V Flame Test: UL Flame Test: UL Flame Test: FT4 Plenum/Non-Plenum Plenum/Non-Plenum Plenum (YN): No Cetrical Characteristics (Overall) No Nom: Characteristics (Overall) No Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (Pfr) No Nom: Characteristics Inpedance: Inpedance (Pfr) % No Scapacitance Conductor to Conductor: Capacitance (Pfr) % Scapacitance Conductor to Conductor: Gapacitance Conductor to Conductor & Shield: Scapacitance Conductor (Pfr) % Scapacitance Conductor Conductor & Shield: Scapacitance Conductor (Pfr) % Scapacitance Conductor Conductor & Shield: Scapacitance Conductor (Pfr) % Sc	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/09/EC (WEEE): Yes EU Directive 2002/11/EC (BFR): Yes CA Prop 85 (CJ for Wire & Cablo): Yes Mit Order #39 (China RoHS): Yes Mit Order #39 (China RoHS): Yes Other Specification: C(RU) AWM I, A 80C 300V Flame Test: UL 1885 FT4 Loading GSA Flame Test: UL 1885 FT4 Loading Plenum (YN): No Plenum (YN): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (Deff) 30 Nom. Capacitance Conductor to Conductor: Capacitance (Deff) 30 Nom. Capacitance Conductor to Conductor & Shield: Capacitance (Deff) 30 Nom. Capacitance Conductor & Shield: Capacitance (Deff) 30 Nominal Valocity of Propagation: Vef Go Nominal Valocity of C Resistance: Dick gi 20°C (Denriford I) Xac. Operating Voltage - UL: Voltage 300'C MINE Max. Operating Voltage - UL: Voltage 300'C MINE Ma	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes GA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China Roh5): Yes Other Specification: C(RU) AVWI 1, A 80C 300V Flame Test: UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading SA Flame Test: UL 1885 FT4 Loading Plenum //Non-Plenum Plenum //Ni): Plenum //Ni): No Compositions (Drive): No Compositions (Drive): No Compositions (Drive): No Compositions (Drive): No Socialization (pff) Socialization (pff) Socializations (pff) Socializations (pff)	EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
CA Prop 85 (CJ for Wire 8 Cable): Yes MI Order #39 (China RoHS): Yes Other Specification: C(RU) AVM 1, A BCC 300V Flame Test: UL Flame Test: UL Flame Test: UL 1085 FF4 Loading GSA Flame Test: FT4 Plenum (YN): No Plenum (YN): No Concorter (Control of Conductor I) No Nom. Caracteristics (Overall) No Nom. Caracteristics (Overall) No Nom. Caracteristics (Overall) No Section Conductor to Conductor: Capacitance (Drff) 30 Nom. Capacitance Conductor to Conductor: Capacitance (Drff) So 30 Nominal Valicity of Propagation: V P1 (%) So So So DR @ 207 (Contrifton 0) So 30 So Nominal Valicity of Propagation: Viet (%) V1 (%) So So So So So So So So So So So So So <	EU Directive 2002/96/EC (WEEE):	Yes
MII Order #39 (China RoHS): Yes Other Spacification: C(RU) AVM I, A 80C 300V Flame Test: UL 1685 FT4 Loading UL Flame Test: UL 1085 FT4 Loading SSA Flame Test: FT4 Plenum (V/N): No Clance Test: FT4 Plenum (V/N): No Clance Test: FT4 Plenum (V/N): No Clance Test: FT4 Minofance (Offm)	EU Directive 2003/11/EC (BFR):	Yes
Other Specification: C(RU) AWM1, A 80C 300V Flame Test UL 1685 TF4 Loading VL Flame Test: UL 1685 TF4 Loading CSA Flame Test: FT4 Plenum (YIN): No Electrical Characteristics (Overall) No Nom. Aracteristic Impedance: Impedance (Onling) 75 Nom. Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (Frid) Son Capacitance Frid) Nom. Capacitance Conductor to Conductor & Shield: Capacitance (Frid) Son Capacitance Conductor to Conductor & Shield: Capacitance Conductor DC Resistance: DC 202 (Ontrin00 ft) So Construction Conductor DC Resistance: DCR 202 (Com/100 ft) Son Son Construction Conductor The Statement: Voltarge Son Constructor Coresistance: DCR 202 (Com/100 ft) Son Max. Recommended Current: Voltarge Son Constructor Coresistance: Voltarge Son Constructor Coresistance:	CA Prop 65 (CJ for Wire & Cable):	Yes
Fiame Test UL 1885 FT4 Loading GA Flame Test: UL 1885 FT4 Loading Plenum/Non-Plenum FT4 Plenum/Non-Plenum No Electrical Characteristics (Overall) No Non: Characteristic Impedance: Impedance (Ofm) 75 Non: Capacitance (of ff1) Non: Capacitance (of ff1) No Non: Conductor & Shield: Capacitance (of ff1) Non: Conductor DC Resistance: Vf (%) Nominal Velocity of Propagation: Vf (%) Nominal Velocity DC Resistance: Nominal Velocity DC Resistance: Dec 20°C (Dm/1000 ft) Nominal Velocity DC Resistance: Dec 20°C (Dm/1000 ft) Nominal Velocity DC Resistance: Nominal Velocity DC Resistance: Velocity DC Resistance: Nominal Velocity DC Resistance: Velocity DC Resistance: Nominal Velocity DC Resistance: Velocity DC Resistance: Nominal Velocity Risel UC Resistance: Velocity DC Resistance	MII Order #39 (China RoHS):	Yes
UL Flame Test: UL 1005 FT4 Loading CSA Flame Test: FT4 Plenum (YM): No Perform Test: Mon. Characteristics (Overall) Nom. Characteristics (Doverallo) Nom. Characteristic modeance: Impedance (Dfm) 75 Nom. Capacitance Conductor to Conductor: Capacitance (pf/f) Nom. Characteristics (Dfm) 30 Nom. Characteristics (Dfm) 75 Nom. Characteristic modeance: Impedance (pf/f) Nom. Characteristics (Dfm) 30 Nom. Characteristics (Dfm) Source: 30 Nom. Characteristics: Nom. Chara	Other Specification:	C(RU) AWM I, A 80C 300V
CSA Flame Test: FT4 Plenum (YAN): No Plenum (YAN): No Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 75 76 Nom. Capacitance (pFrft) 30 Nom. capacitance (pFrft) 50 Capacitance (pFrft) 50 Nom. Conductor D Conductor & Shield: Capacitance (pFrft) So 50 Nom. Conductor D Resistance: DR@ 20°C (Ohm/1000 ff) So 33 Nominal Outer Shield DC Resistance: DR@ 20°C (Ohm/1000 ff) So 36 Nominal Outer Shield DC Resistance: DR@ 20°C (Ohm/1000 ff) So 36 Nominal Outer Shield DC Resistance: DR@ 20°C (Ohm/1000 ff) So 36 Max. Operating Voltage - UL: Values So So V FMS Max. Recommended Current: Turent T.1 Amps per conductor @ 25°C	Flame Test	
Plenum (Non-Plenum Plenum (YN): No Capacitance (Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Characteristic Impedance: Capacitance (Characteristic Impedance: Ver (%) 60 Nominal Velocity of Propagation: Ver (%) 60 Nominal Velocity of Propagation: Ver (%) 60 Nominal Velocity of Propagation: Ver (%) 61 24 Nominal Velocity of Resistance: Data and the propeomic of the propagation of the propagation of the propagation of the propeomic of the propeomic of the propagation of the propeomic of the prop	UL Flame Test:	UL1685 FT4 Loading
Penm (Y/N): No Cettrical Characteristic (Overall) Non: Characteristic Impedance: Impedance (Ofm) 7 Non: Capacitance Conductor to Conductor: Capacitance (pf/f) Nom: Capacitance (pf/f) 0 0 0 Nom: Capacitance (pf/f) 0 <	CSA Flame Test:	FT4
Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Capacitance Conductor to Conductor: Gapacitance (pF/ft) 30 Nom. Capacitance (pF/ft) 50 Nom. Capacitance (pF/ft) 50 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 3.6 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 1.1 Amps per conductor @ 25°C		
Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Capacitance Conductor to Conductor: Capacitance (pf/ft) 30 Som. Capacitance (pf/ft) 50 Som. Capacitance (pf/ft) 50 Nom. Incapacitance (pf/ft) 50 Som. Capacitance (pf/ft) 50 Som. Capacitance (pf/ft) 50 Som. Capacitance (pf/ft) 50 Nom. Conductor Propagation: VP (%) 80 Som. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 3.6 Som. Corrating Voltage - UL: Voltage Max. Som. Recommended Current: Current 1.1 Angs per conductor @ 25°C	Plenum (Y/N):	No
1.1 Amps per conductor @ 25°C	30 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 50 Nominal Velocity of Propagation: VP (%) 60 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 3.6 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	
Put Ups and Colors:		

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8342 060100	100 FT	11.000 LB	CHROME		12 PR,1#24 PVCR SHLD PVC
8342 0601000	1,000 FT	109.000 LB	CHROME	С	12 PR,1#24 PVCR SHLD PVC
8342 060500	500 FT	55.000 LB	CHROME	С	12 PR,1#24 PVCR SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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