Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8355 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



General Description:

25

Purple/Gray & Gray/Purple

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.

		overage) + TC braid shield (65% coverage), PVC jacket.
-	haracteristics (Overa	all)
onductor AWG:		
	AWG Stranding Conductor	or Material
		ned Copper
Total Nu	mber of Conductors:	50
sulation		
Insulation I	Material:	
Insulation	on Material	Wall Thickness (in.)
S-R PVC	C - Semi-Rigid Polyvinyl Chlor	oride 0.011
uter Shiel		
Outer Shiel		
		Type Outer Shield Material Coverage (%)
1		Tape Aluminum Foil-Polyester Tape 100
2	E	Braid TC - Tinned Copper 65
uter Jacke	at .	
PVC - P	olyvinyl Chloride 0.045	
verall Cab		
Overall	Nominal Diameter:	0.550 in.
air		
	Code Chart:	
Number		
1	White/Blue & Blue/White	
2	White/Orange & Orange/Wh	
3	White/Green & Green/White	
4	White/Brown & Brown/White	te
5	White/Gray & Gray/White	
6	Red/Blue & Blue/Red	
7	Red/Orange & Orange/Red	3
8	Red/Green & Green/Red	
9 10	Red/Brown & Brown/Red	
10	Red/Gray & Gray/Red	
11 12	Black/Blue & Blue/Black	
12	Black/Orange & Orange/Black Black/Green & Green/Black	
13	Black/Green & Green/Black	
14	Black/Brown & Brown/Black	<u>n</u>
15	Yellow/Blue & Blue/Yellow	
16	Yellow/Orange & Orange/Yellow	
18 19	Yellow/Green & Green/Yello Yellow/Brown & Brown/Yello	
20	Yellow/Gray & Gray/Yellow	
21	Purple/Blue & Blue/Purple	
22	Purple/Orange & Orange/Pu	
23	Purple/Green & Green/Purp	
24	Purple/Brown & Brown/Purp	ple



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- Operating Temperature Raing: -30° C To +60° C - Emperature Raing: -30° C To +60° C - Emperature Raing: 60° C UL AVM Skyle 2464) - Euclide Weight: 173 Bed/100 R. - Min. Bend Radhumfinor Anis: 6.500 n. - Applicable Spacifications and Agency Compilance (Overall)	Mechanical Characteristics (Overall)	
UL Temperature Reting: 80°C (UL AVMA Syle 2444) Buk Gale Weight: 173 ber1000 ft. Min. Bend Radius/Minor Ada: 5500 in. Applicable Space/fications and Agency Compliance (Overall) Applicable Space/fications and Agency Compliance (Overall) Applicable Space/fications and Agency Compliance (Overall) Compliance (Overall) Applicable Space/fications: DM0 CEC(UL) Specifications: DM0 EU CE Mark: Yea EU Deterve 2011/65CL (NOPS II): Yea EU Deterve 2011/65CL (NOPS II): Yea EU Deterve 2011/65CL (NOPS II): Yea EU Deterve 2023/8EC (ELV): Yea Min Order 82 (Colma Roufs): Yea Min Order 82 (Colma Roufs): Yea ID Interve 2023/8EC (EVER): Yea <		-30°C To +80°C
Buik Cable Weight: 173 har1000 h. Min. Bend RadiusMinor Axis: 5.500 n. Variable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NECIUL) Specifications: CMG CECCUL) Specification: CMG CECCUL) Specification: CMG CECCUL) Specification: CMG EU Directive 2011/05EU (ROHS H): Yes EU Directive 2031/05EU (ROHS H): Yes EU Directive 2030/05EC (ELV): Yes EU Directive 2030/05EC (GEF): Yes Flame Test: UL1805 FT4 Loading CGA Flame Test: UL1805 FT4 Loading CGA Flame Test: UL1805 FT4 Loading CGA Flame Test: UL1805 FT4 Loading Totacteristics (Overall) No Non. Capacitance Conductor to Conductors: Section		
Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEG(UL) Specification: CMG CEC/(LU) Specification: UL Sybie 2444 (200 V 80°C) EU Directive 2014SEEU (ROHE II): Ves EU Orective 2004SEEC (ELV): Ves EU Directive 2004SEEC (ELV): Ves MII Order 428 (China RoHS): Ves EU Directive 2004SEEC (ELV): Ves MII Order 428 (China RoHS): Ves EVENTMONO-Floate ENT Penum (YM): No Conductor Ext: F14 Penum (YM): No Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Capacitance Conductor 10 Conductor: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 4 Shielt: Capacitance (GM) So Non. Conductor ID Conductor 5 Non. Conductor ID Conductor 1 Non. Conductor ID Conductor 1		
AP Jefective Standards & Environmental Programs OM G MEChall Specification: CM G GECC/LUL Specification: UL Style 2464 (300 V 80°C) EU Decetive 2016/SEU (ROHS II): Yes EU Decetive 2006/SEC (ELV): Yes EU Decetive 2006/SEC (RoHS): Yes Prove SEC (A for Wire & Cablo): Yes Item Test: UL 1005 FT4 Loading CA Prop SE (CL for Wire & Cablo): No Nort: Conscience Conductor to Conductor: Item Test: UL 1005 FT4 Loading VEC Todate SE (Conscience Conductor to Conductor: Seconductor to Conductor: Item Test: Vec Todate SE (Conductor: Seconductor to Conductor:		
Applications: CMG MECHULS specification: CMG GECPC(LUS specification: CMG EU Descrive 201145EU (RONSI I): Yes EU Descrive 20035EC (ELV): Yes EU Descrive 20035EC (ELV): Yes EU Descrive 20035EC (ROHS): Yes EU Descrive 20035EC (ELV): Yes EU Descrive 20035EC (ROHS): Yes EU France Scritter (ROHS): Yes Pester Test: U10405 FT4 Loading CD France Scritter (ROHS): Yes Postarbance Conductor to Conductor: Scritter (ROHS): Scritter (ROHS): Yes Non: Convertents (Ropdance: Scritter (ROHS): Scriter (ROHS): Yes	Annlinghia Crossifications and Anonese Compliance	
MEC(UL) Specification: CMG MEC(UL) Specification: CMG MIN Specification: UL Style 2464 (200 V 60°C) EU Director 2016/EU (RCHS II): Ves EU Director 2016/EU (RCHS): Ves MIN Order RS Challe): Ves MIN Order RS Challe (CHSR): Ves MIN Order RS Challe CHSR): Ves Ves Net Secondation Conductor RS Net Secondation Conduc		(Overall)
AWN Specification: UL Style 244 (300 V 80°C) EU Directive 2011/62/EU (ROHS II): Yes EU Directive 2002/92/EC (ROHS): Yes EU Directive 2002/92/EC (WEEE): Yes MID Order #38 (China RoHS): Yes Nom. Characteristics (Overall) Now Nom. Characteristics (Overall) Now Rougestance Conductor to Conductor: Capacitance (Orff) 30 Gapacitance Conductor Conductor & Shield: Capacitance (Orff) 30 Gapacitance Conductor Conductor & Shield: Veranue		CMG
EU Directive 2011/8/EU (ROHS II): Yes EU Directive 2000/9/SIFC (ELV): Yes EU Directive 2000/9/SIFC (ELV): Yes EU Directive 2000/9/SIFC (ROHS): Yes MID Order 339 (China ROHS): Yes Vul. Flame Test: UL H685 FT4 Loading CSA Flame Test: UL H685 FT4 Loading CSA Flame Test: UL H685 FT4 Loading Plenum(WN): No Plenum(WN): No Plenum(WN): No Capacitance (Drim) Sime Sime Sime Sime Sime Sime Sime Sime	CEC/C(UL) Specification:	CMG
EU CE Mark: Yes EU Directive 2004/54/EC (ELV): Yes EU Directive 2002/54/EC (RoHS): Yes EU Directive 2003/11/EC (RFR): Yes CA Prop 85 (CJ for Wire & Cabio): Yes MI Order #39 (China RoHS): Yes UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: VI 1685 Non. Characteristics (Overall) Non Non: Capacitance Conductor to Conductor: Capacitance Confluctor 10 Conductor # 3 bield: Capacitance Confl to 10 fth Sontina	AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2000/95/EC (EL/Y): Yes EU Directive 2002/95/EC (RoH5): Yes EU RoH3 Compliance Date (minidd/yyyy): 10/01/2005 EU Directive 2002/95/EC (WEEE): Yes MI Order #39 (China RoH3): Yes UL Flame Test: UL 1885 FT4 Loading CSAF Ham Test: UL 1885 FT4 Loading Plenum (YN): No Plenum (YN): No Non: Characteristic (Doverall) Non: Non: Characteristic Impedance: Impedance Impedance Impedance Impedance Computer to Conductor to Conductor: Copacitance (pff) 30 Non: Conductor 0C Resista	EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 200295/EC (RoH5): Yes EU RoHS Compliance Date (mmidd/yyyy): 10/01/2005 EU Directive 200296/EC (WEEE): Yes MI Corer 438 (CJ for Wire & Cable): Yes MI Corer 438 (CJ for Wire & Cable): Yes MI Corer 438 (CJ for Wire & Cable): Yes Planum Test: UL 1665 FT4 Loading CSA Flame Test: UL 1665 FT4 Loading Plenum (Yen): No Plenum (Yen): No Plenum (Yen): No Somo: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance (Fif) So Norm. Capacitance Conductor & Shield: Capacitance Conductor DC Resistance: Vef So DCR 20207 (Dhmi 100 ft) Za So	EU CE Mark:	Yes
EU RoHS Compliance Date (mm/ddynyy): 10/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Plenum/Non-Plenum Plenum (*/N): Plenum (*/N): No Electrical Characteristics (Overall) No Nom. Characteristics (Overall) Nom	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 55 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes UL Flame Test: UL10805 FT4 Loading CSA Flame Test: UL10805 FT4 Loading CSA Flame Test: UL10805 FT4 Loading CSA Flame Test: UL10805 FT4 Loading Plenum (YIN): No Plenum (YIN): No Capacitance Comun (YIN): No Capacitance Conductor to Conductor: Capacitance Conductor to Conductor to Conductor: Capacitance (PffI) So So So Ver (Ya) So Normal Velocity of Propagation: Ver (Ya) Ver (Ya) So So So DCR 2027 (Chim/100 f1) 24 So Normal Outer Shield CD Resistance: Directive (Simin 00 f1) 24 So So Or RMS So	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test UL Flame Test: UL 1085 FT4 Loading CSA Flame Test: FT4 Plenum (Vh): No Plenum (Vh): No Capacitance (Drm) 75 Nom. Capacitance (Drff) Social Conductor to Conductor & Shield: Capacitance (Drff) Social Conductor Dr Conductor & Shield: Social Conductor Dr Conductor & Shield: Capacitance (Drff) Som. Capacitance (Drff) Social Conductor Dr Conductor & Shield: Cap	EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
CA Prop 55 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test UL Flama Test: UL 1085 FT4 Loading CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Ni): No Electrical Characteristics (Overall) No Nom. Characteristic Impedance: Moderation (Phi): No Nom. Capacitance (Phi/f) Nom. Capacitance Conductor to Conductor: Capacitance (Phi/f) So Nom. Capacitance (Phi/f) So So So So So So So So So So So So So So So So So So So So So So So So So S	EU Directive 2002/96/EC (WEEE):	Yes
MI Order #39 (China RoHS): Yes Flame Test UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Plenum (YA): No Mom. Characteristics (Overall) No Nom. Characteristic Impedance: Impedance (Ohm) 75 Tom. Characteristic Impedance: Capacitance (Pfrft) Go 30 Nom. Capacitance (pfrft) 30 Nom. Characteristic Impedance: VF (6) Nom. Capacitance (pfrft) So Nom. Capacitance (pfrft) So Nom. Characteristic Propagation: VF (6) Nom. Characteristic Propagation: Nom. Characteristic Propagation: Nom. Characteristic Propagation: VF (6) Nom. Characteristic Propagation: Nom. Characteristic Propagation: Nom. Characteristic Propagation: VF (6) Nom. Characteristic Propagation	EU Directive 2003/11/EC (BFR):	Yes
Fiame Test UL 1685 FT4 Loading CSA Flame Test: FT4 Plenum/Non-Plenum No Plenum (Y/N): No Clectrical Characteristics (Overall) No Nom. Characteristics (Dereatil) No Nom. Characteristics Impedance: To 75 Nom. Characteristic Impedance: 76 Nom. Characteristic Impedance: 73 Nom. Characteristic Impedance: 75 Nom. Characteristic Impedance: 76 Nom. Characteristic Impedance: 76 Nom. Characteristic Impedance: 76 Nom. Characteristic Impedance: 76 Nom. Characteristic Impedance: 77 Nom. Capacitance (pfri) 30 Nom. Capacitance (pfri) 50 Nom. Conductor VC Resistance: VP (%) Nom. Conductor CR Resistance: DCR @ 20°C (Ohm/1000 ft) Z 25 Nom. Contarter Resistance: Vortage Nom. Contarter Resistance: Vortage Nom. Contarter Resistance: DCR @ 20°C (Ohm/1000 ft) 25 N	CA Prop 65 (CJ for Wire & Cable):	Yes
uL Flame Test: FT4 Loading SA Flame Test: FT4 Plenum/Non-Plenum No Plenum (Y/N): No Capacitance Coharacteristics (Overall) No Rom. Capacitance Conductor to Conductor: Sagacitance (pf/fi) Tom. Capacitance (pf/fi) So Nom. Capacitance (pf/fi) So Nom. Sagacitance (pf/fi) So Nom. Sagacitance (pf/fi) So Nom. Sagacitance (pf/fi) So Sagacitance (pf/fi) Sagacitance (pf/fi) Sagaci	MII Order #39 (China RoHS):	Yes
CSA Flame Test: FT4 Plenum/Non-Plenum No Plenum (Y/N): No Certical Characteristics (Overall) No Nom. Characteristic Impedance: Impedance (Ohm) To So Nom. Capacitance Conductor to Conductor: Capacitance (pFft) 30 Nom. Capacitance (pFft) Nom. Capacitance (pFft) So Nom. Capacitance (pFft) So Nom. Conductor DC Resistance: Capacitance (pFft) Nom. Conductor DC Resistance: Capacitance (PFft) Nominal Outer Shield DC Resistance: Certific (Ohm/1000 ft) Zis Nominal Outer Shield DC Resistance: Vortage 20° (Ohm/1000 ft) Zis Max. Operating Voltage - UL:	Flame Test	
Plenum/Non-Plenum Plenum (V/N): No Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Capacitance Conductor to Conductor: Capacitance (PF/ft) 30 Nominal Velocity of Propagation: VP (%) 60 Nominal Velocity of Dropagation: VP (%) 62 DCR @ 20°C (Ohm/1000 ft) 2.5 Max. Operating Voltage - UL: Voltage Voltage Voltage	UL Flame Test:	UL1685 FT4 Loading
Plenum (Y/N): No Electrical Characteristics (Overall) Impedance Nom. Characteristic Impedance: Impedance (Ohm) 75 Impedance (Op/N) 75 Impedance (Op/N) 75 Impedance (Op/N) 80 Impedance (Op/N) Nom. Capacitance (Op/N) Impedance (Op/N) 80 Impedance (Op/N) 81 Impedance (Op/N) 82 Impedance (Op/N) 82 Impedance (Op/N) 83 Impedance (Op/N) 84 Impedance (Op/N) 83 Impedance (Ohm/1000 ft) 83 Impedance (Ohm/1000 ft) 84 Impedance (Ohm/1000 ft) 85 Impedance (Ohm/1000 ft)		FT4
Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Capacitance conductor to Conductor: Capacitance (pF/ft) 30 Nom. Capacitance conduct to Conductor & Shield: Capacitance (pF/ft) 50 Nom.Inal 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) 25 Max. Operating Voltage - UL: Voltage 300 V RMS		
Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 30 Nom. Capacitance cond. to Other Conductor & Shield: Capacitance (pF/ft) 50 Nom. Capacitance (pF/ft) 50 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nomial Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	Pienum (1/N):	NO
Impedance (Ohm) 75 Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 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) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS		
Capacitance (pF/ft) 30 Nom. Capacitance cod. 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) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	Impedance (Ohm)	
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) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	Capacitance (pF/ft) 30	
VP (%) 60 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	Capacitance (pF/ft)	
DCR @ 20°C (Ohm/1000 ft) 24 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	VP (%)	
DCR @ 20°C (Ohm/1000 ft) 2.5 Max. Operating Voltage - UL: Voltage 300 V RMS	DCR @ 20°C (Ohm/1000 ft)	
Voltage 300 V RMS	DCR @ 20°C (Ohm/1000 ft) 2.5	
	Voltage 300 V RMS	
Current 1.1 Amps per conductor @ 25°C	Current	

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8355 0601000	1,000 FT	192.000 LB	CHROME	С	25 PR #24 PVCR SHLD PVC
8355 060500	500 FT	95.000 LB	CHROME	С	25 PR #24 PVCR SHLD PVC

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Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-21-2012

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