

METRIC MEASUREMENT VERSION

9808 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



General Description:

28 AWG stranded (7x36) TC conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 28 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overa	
Conductor	
AWG: # Pairs AWG Stranding Conducto	or Material
7 28 7x36 TC - Tinne	
Total Number of Conductors:	
Insulation	
Insulation Material:	
Insulation Material Wall Thickness PP - Polypropylene 0.229	i (mm)
Outer Shield	
Outer Shield Material:	
Layer # Outer Shield Trade Name	
	Tape Aluminum Foil-Polyester Tape 100 Braid TC - Tinned Copper 90
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Condu	Ictor Material
28 7x36 TC - Tinned Coppe	ər
Outer Jacket	
Outer Jacket Material: Outer Jacket Material Nom. Wall	Thickness (mm)
PVC - Polyvinyl Chloride 0.889	
Overall Cable	
Overall Nominal Diameter:	6.502 mm
Pair Pair Color Code Chart: Number Color 1 Black & Red	
2 Black & White	
3 Black & Green 4 Black & Blue	
5 Black & Yellow	
6 Black & Brown	
7 Black & Orange	
lechanical Characteristics (Ov	/erall)
Storage Temperature Range:	-35°C To +60°C
Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	61.016 Kg/Km
Max. Recommended Pulling Tension	on: 315.822 N
Min. Bend Radius/Minor Axis:	69.850 mm
Applicable Specifications and A	Agency Compliance (Overall)
Applicable Standards & Environme	
NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 2960 (30 V 60°C)

Detailed Specifications & Technical Data



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EU Directive 201116/EU [RONS II]: Yes EU Directive 201116/EU [RONS II]: Yes EU Directive 2009/EFC [RONS): Yes Permont (YM): No Electical Characteristice Instruments: No Ferming (IMP) No Non: Instructive Instruments: No If a construment instruments: No If a construment instrument instruments: No If a construment instrument instrumen			
EU Directive 2000/SMEC (EUV): Yes EU Directive 2000/SMEC (RoHS): Yes EU Directive 2000/SMEC (RoHS): Officional (RoHddyyyy): Directive 2000/SMEC (RoHS): Yes EU Directive 2000/SMEC (BFR): Yes Flame Test: UL 1688 UL Loading Plenum/Non-Plenum Plenum (Yin): Plenum (Yin): No El Directive 2000/SMEC (Bregen): No Non: Indications (MIMS): No El Directive 2000/SMEC (Seren): No Non: Indications (MIMS): No Social Conditions Conductors: Social Conditions (Social Instance): Indications (MIMS): No Social Conditions Conductors: Social Instance): Indications (MIMS): Social Instance): Indicatinse (MIMS): Social Instance):	EU Directive	2011/65/EU (ROHS II):	Yes
EU Directive 2002/96/EC (RoHS): Yes EU RotHS Compliance Data (mmiddlyyyy): 0101/2004 EU Directive 2002/96/EC (WEEE): Yes Min Order #30 (China RoHS): Yes Flame Test: U. 1665 UL Loading Planum (YN): No Planum (YN): No Non. Characteristics (Overall) Non. Non. Cascitance Conductor to Conductor: Egacitance (Print) 0.2339 Non. Non. Spacitance (Overall Statione): Image: Cascitance Conductor to Conductor & Shield: Egacitance (Print) 0.239 Non. Non. Spacitance Conductor to Conductor & Shield: Image: Cascitance Conductor to Conductor & Shield: Egacitanc	EU CE Mark:		Yes
EU RothS Compliance Date (mm/ddiyyy): 0101/2004 EU Directive 2002/96(C) (WEEE): Yes EU Directive 2003/11/EC (DFR): Yes CA Props 62 (Dof With a Cabib): Yes Mill Order #39 (China RohlS): Yes El Directive 2003/11/EC (DFR): Yes Mill Order #39 (China RohlS): Yes Plenum (Nin: Pienum UL 1085 UL Loading Plenum (Nin: Pienum No Electrical Characteristic (Noreall) No Kom. Characteristic (Impedance: Impedance (Offm) 002333 Nom. Characteristic (Impedance: Indicatance (DFM) No Nom. Characteristic (From) No 002333 Nom. Characteristic (From) 002333 Nom. Characteristic (From) 002335 Nom. Characteristic (From) 002375 Nom. Characteristic (From) 002375 Nominal Valocity of Propagation: If for former Stateristic (Propagation: Impedance (Prim) 012375 Nominal Valocity of Propagation: Impedance (Prim) Nominal Valocity of Propagation: Impedance (Prim) Nominal Valocity of Propagation: Impedance (Prim)<	EU Directive	2000/53/EC (ELV):	Yes
EU Directive 2002/BIEC (WEEE): Yes EU Directive 2002/BIEC (BFR): Yes CA Prop 65 (C) for Wire & Cabab): Yes Bit Order #39 (China Roth5): Yes Fleme Test: UL 1685 UL Loading Plenum/Non-Plenum Plenum/Non-Plenum Plenum/Non-Plenum No El Order #30 (China Roth5): No Plenum/Non-Plenum Plenum(Non-Plenum) Plenum/Non-Plenum No Mont Adjutatione (QHIM) No Code #30 (China Roth5): No Mont Adjutatione (QHIM) Sassa Sassa Non: Capacitance (DMIM) Sassa Sassa Non: Capacitance (DMIM) Sassa Sassa Sassa Norder #20 (OmiMM) Sas	EU Directive	2002/95/EC (RoHS):	Yes
EU Directive 200/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #28 (China Roth5): Yes Flame Test: UL1685 ULLoading Plenum/Non-Plenum Plenum (YN): Non. Characteristics (Overall) No Electrical Characteristics (Overall) No Non. Characteristics (Overall) No Rom. Capacitance (Ording) No Inductance (Irim) No Gasefame (Grim) No Sob55 Non. Characteristics (Overall) Nom. Capacitance (Grim) No Sob55 Nom. Characteristics (Overall) Nom. Conductor to Conductor: Sob55 Nom. Capacitance (Grim) Sob55 Nom. Capacitance (Grim) Sob55 Nom. Conductor to Conductor & Shield: Sob55 Sob55 Nominal Cutor Shield DC Resistance: Dir (Br 2076 (Diminn) Yes 312 XBM Nominal Cutor Shield DC Resistance: Dir (Rd 2076 (Diminn) Yes 312 XBM Li AMM Syle 2800 313 V RMS (Cl.2 Nominal Cutor Shield Cutores 313 V RMS (Cl.2 Nominal Cutor Shi	EU RoHS Cor	npliance Date (mm/dd/yyyy):	01/01/2004
CA Prop 65 (CJ for Wire & Cable): Yes MIL Order #39 (Chine RoHS): Yes U. Frame Test: UL 1085 UL Loading Plenum (YN): No Plenum (YN): No Electrical Characteristics (Overall) No Nom. Characteristic Impodance: Impodance (Ohm) 100 No Statistance Conductor to Conductor: Constitution (Ohm) 0.0239 Nom. Characteristic Impodance: Inductance: Inductance: Inductance: Inducta	EU Directive	2002/96/EC (WEEE):	Yes
MII Order #39 (China RoH5): Yes Flame Test: UL1885 UL Loading Vie. Flame Test: UL1885 UL Loading PlenumNon-Plenum No PlenumNon-Plenum No Electrical Characteristics (Overall) No Nom. Characteristics Inpedance: Impedance (Offm) 100 Nom. Characteristics Inpedance: Inductance: Impedance (Offm) 0.82339 Nom. Capacitance Conductor to Conductor: Capacitance (Offm) 0.8565 Nom. Capacitance (Offm) 0.8565 Nom. Capacitance (Offm) 0.8565 Nom. Conductor to Other Conductor & Shield: Capacitance (Offm) 0.8565 Nom. Conductor DC Resistance: VE (%) Nominal Volocity of Propagation: VP (%) Nominal Volocity of Constance: 0.70 KB (207 (Omkm)) Nominal Volocity of Propagation: VE (%) Nominal Volocity of Propagation: 0.70 KB (207 (Omkm)) Nominal Volocity of Propagation: VE (%) Nominal Volocity of Propagation: 0.70 KB (72 (Omkm)) Nominal Volocity Robing (20 Cincit) 0.70 KB	EU Directive	2003/11/EC (BFR):	Yes
Flame Test: UL 1885 UL Loading Plenum/Non-Plenum no Plenum/Non-Plenum no Electrical Characteristics (Overall) No Nom. Characteristic Impedance: impedance (Dim) 100 0.2339 Nom. Inductance: inductance: Inductance: inductance: Inductance: inductance: Sassis Sassis Nom. Capacitance Conductor to Conductor: Capacitance (Dim) Sassis Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Ve (Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Ve (Sassis Nominal Voicity of Propagation: Ve (Sassis Ve (Sassis Ve (Sassis </th <th>CA Prop 65 (C</th> <th>CJ for Wire & Cable):</th> <th>Yes</th>	CA Prop 65 (C	CJ for Wire & Cable):	Yes
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Electrical Characteristics (Overall) Nom. Characteristic Impedance: Impedance (Ohm) 100 0.ex339 Nom. Inductance (JHM) 0.ex339 Nom. Capacitance Conductor to Conductor: Capacitance (pFm) 50.8555 Nom. Capacitance (of Pfm) 90.2275 Nominal Velocity of Propagation: VP (%) 0 0 0 Nom. Outcothor DC Resistance: DCR @20°C (OhmMm) 12:237 Nominal Outer Shield DC Resistance: DCR @20°C (OhmMm) 12:337 Nam. Conductor JC Resistance: DCR @20°C (OhmMm) 12:337 Nam. A constance DCR @20°C (OhmMm) 12:337 Max. Operating Voltage - UL: Voltage Description 105 V RMS 105 V RMS <	Plenum/Non-Ple	num	
Nom. Characteristic Impedance: Impedance (Ohm) 100 Nom. Inductance: Inductance (JFIII) 0.62339 Nom. Capacitance Conductor to Conductor: Capacitance (PFIII) 50.8555 Nom. Capacitance (oFIII) 50.8555 Nom. Capacitance conductor & Shield: Capacitance (PFIII) 90.2275 Nominal Velocity of Propagation: VP (%) 66 0 0 DCR @ 20*C (Ohm/km) 12:2.837 Nominal Outer Shield DC Resistance: DCR @ 20*C (Ohm/km) 12:1.937 Max. Operating Voltage - UL: Voltage @ Secretion 30 V RMS UL AWM Style 2800 100 V RMS per conductor @ 25*C	Plenum (Y/N)		No
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Voltage Description 30 V RMS UL AWM Style 2960 150 V RMS CL2 Max. Recommended Current: Current 0.9 Amps per conductor @ 25°C	DCR @ 20°C (0		
Current 0.9 Amps per conductor @ 25°C	VoltageDes30 V RMSUL	AWM Style 2960	
Put Ups and Colors:	Current		
	Put Ups and C	olors:	

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9808 060100	100 FT	4.900 LB	CHROME		7 PR #28 PP SH PVC
9808 0601000	1,000 FT	44.000 LB	CHROME	С	7 PR #28 PP SH PVC
9808 060500	500 FT	22.000 LB	CHROME		7 PR #28 PP SH PVC

Notes: C = CRATE REEL PUT-UP.

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Detailed Specifications & Technical Data



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