Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9819 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



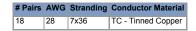
General Description:

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 (Overall)

Conductor

AWG:



Total Number of Conductors:

36

Insulation

Insulation Material:

Insulation Material Wall Thickness (mm)
PP - Polypropylene | 0.229

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
28	7x36	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

	Outer Jacket Material	Nom. Wall Thickness (mm)
ľ	PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter:

9.271 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			
8	Red & White			
9	Red & Green			
10	Red & Blue			
11	Red & Yellow			
12	Red & Brown			
13	Red & Orange			
14	Green & White			
15	Green & Blue			
16	Green & Yellow			
17	Green & Brown			
18	Green & Orange			

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2960)

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Bulk Cable Weight:	111.615 Kg/Km
Max. Recommended Pulling Tension:	644.989 N
Min. Bend Radius/Minor Axis:	95.250 mm

Applicable Specifications and Agency Compliance (Overall)

App

Applicable Specifications and Agency Complia	ince (Overall)		
Applicable Standards & Environmental Programs			
NEC/(UL) Specification:	CL2		
AWM Specification:	UL Style 2960 (30 V 60°C)		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU CE Mark:	Yes		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004		
EU Directive 2002/96/EC (WEEE):	Yes		
EU Directive 2003/11/EC (BFR):	Yes		
CA Prop 65 (CJ for Wire & Cable):	Yes		
MII Order #39 (China RoHS):	Yes		
Flame Test			
UL Flame Test:	UL1685 UL Loading		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Nom. Inductance:

Inductance (µH/m) 0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 50.8555

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 90.2275

Nominal Velocity of Propagation:

VP (%) 66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 6.562

Max. Operating Voltage - UL:

Description UL AWM Style 2960 30 V RMS 150 V RMS CL2

Max. Recommended Current:

Current .65 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9819 060100	100 FT	8.300 LB	CHROME		18 PR #28 PP SH PVC
9819 0601000	1,000 FT	82.000 LB	CHROME	С	18 PR #28 PP SH PVC
9819 060500	500 FT	40.500 LB	CHROME	С	18 PR #28 PP SH PVC

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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-14-2012

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