# **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



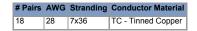
#### **General Description:**

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:

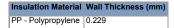


**Total Number of Conductors:** 

36

#### Insulation

#### Insulation Material:



#### **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:

ı	Outer Jacket Material	Nom. Wall Thickness (mm)
ı	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)

#### Ap

pplicable Specifications and Agency Comp pplicable 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
lame Test	
UL Flame Test:	UL1685 UL Loading

No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Plenum (Y/N):

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 30 V RMS UL AWM Style 2960 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	30 MT	3.765 KG	CHROME		18 PR #28 PP SH PVC
9819 0601000	305 MT	37.195 KG	CHROME	С	18 PR #28 PP SH PVC
9819 060500	152 MT	18.371 KG	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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