# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications

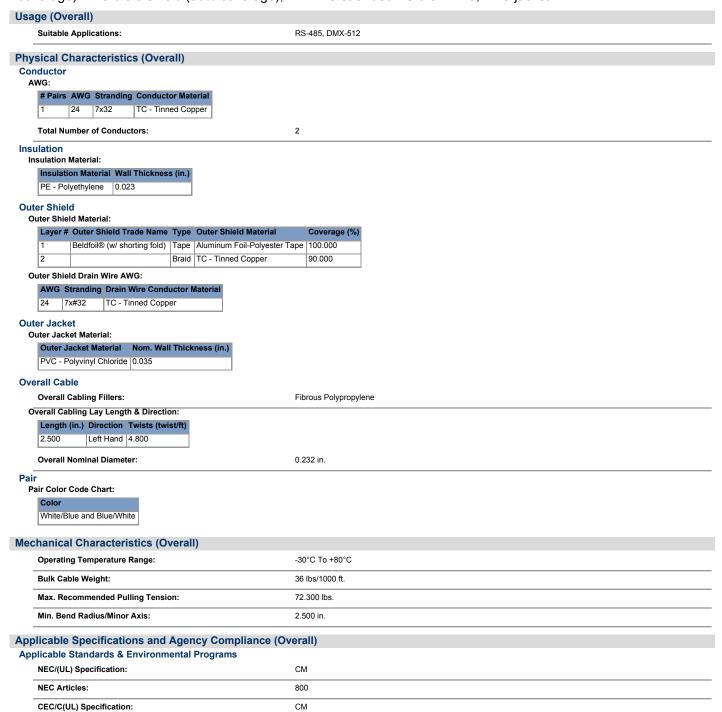
For more Information please call

1-800-Belden1



#### **General Description:**

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket.



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AWM Specification:	UL Style 2919 (30 V 80°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
CSA Flame Test:	FT1
uitability	
Suitability - Indoor:	Yes
lenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	82841, 89841

#### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12.8

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
23

Nominal Velocity of Propagation:

**VP (%)** 

Nominal Delay:

Delay (ns/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.4

Nom. Attenuation:

 Freq. (MHz)
 Attenuation (dB/100 ft.)

 1.000
 0.600

Max. Operating Voltage - UL:

VoltageDescription300 V RMSType CM30 V RMSAWM2919

Max. Recommended Current:

 Description
 Current

 10C temperature rise
 2.1 Amps per conductor @ 25°C ambient

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9841 060100	100 FT	4.300 LB	CHROME		1 PR #24 PE SH PVC
9841 0601000	1,000 FT	40.000 LB	CHROME	С	1 PR #24 PE SH PVC
9841 06010000	10,000 FT	380.000 LB	CHROME	С	1 PR #24 PE SH PVC

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9841 060500	500 FT	20.000 LB	CHROME	С	1 PR #24 PE SH PVC
9841 0605000	5,000 FT	200.000 LB	CHROME		1 PR #24 PE SH PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-25-2017

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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