# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 9842ZH Multi-Conductor - GreenChoice Low Capacitance Computer Cable for EIA RS-485 Applications





For more Information please call

1-800-Belden1



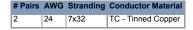
#### **General Description:**

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, LSZH jacket

## **Physical Characteristics (Overall)**

### Conductor

AWG:

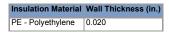


Total Number of Conductors:

4

#### Insulation

Insulation Material:



#### **Outer Shield**

Outer Shield Material:

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

## Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
LSZH - Low Smoke Zero Halogen	0.035

### **Overall Cable**

**Overall Nominal Diameter:** 

0.323 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White

#### Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)	Direction
1.000	12.000	Left Hand Lay

### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C
Bulk Cable Weight:	49 lbs/1000 ft.
Max. Recommended Pulling Tension:	87 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.

#### Applicable Specifications and Agency Compliance (Overall)

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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	EU Directive 2000/53/EC (ELV):	Yes
	EU Directive 2002/95/EC (RoHS):	Yes
	EU RoHS Compliance Date (mm/dd/yyyy):	05/10/2012
	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
Fla	me Test	
	UL Flame Test:	UL1685 FT4 Loading
	C(UL) Flame Test:	FT4
Sui	tability	
	Suitability - Indoor:	Yes
	Non-halogenated:	Yes
Ple	num/Non-Plenum	
	Plenum (Y/N):	No

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

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



**Nominal Velocity of Propagation:** 



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
24	

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.2

Nom. Attenuation:



Max. Operating Voltage - UL:



Max. Recommended Current:



## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9842ZH 060500	500 FT	28.000 LB	CHROME		2 PR #24 PO SH FRNHPO

Revision Number: 0 Revision Date: 08-16-2016

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