Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



89842 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable



For more Information please call

1-800-Belden1



General Description:

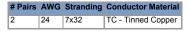
24 AWG stranded (7x32) tinned copper conductors, twisted pairs, foam FEP insulation, overall 100% Beldfoil® shield, 24 AWG stranded tinned copper drain wire, overall tinned copper braid shield (90% coverage), FEP jacket.

4

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	0.023

Outer Shield

Outer Shield Material:

Layer # Outer Shield Trade Name		Type	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
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.014

Overall Cable

Overall Nominal Diameter: 0.305 in.

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +150°C
Bulk Cable Weight:	44 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes

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	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:	NFPA 262
	CSA Flame Test:	FT6
Ple	num/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	9842

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
120

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)	
3.1	

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

Current
4 Amps per conductor @ 25°C

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89842 0021000	1,000 FT	49.000 LB	RED	С	2 PR #24 FFEPR SH FEP
89842 002500	500 FT	25.500 LB	RED	С	2 PR #24 FFEPR SH FEP

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-10-2012

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