

89841 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable



For more Information
please call

1-800-Belden1



General Description:

Low cap 24 AWG stranded (7x32) TC conductors, plenum, foam FEP insulation, twisted pairs, overall Beldfoil (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	24	7x32	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	0.635

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 Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 5.131 mm

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue & Blue/White

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +150°C

UL Temperature Rating: 150°C

Bulk Cable Weight: 40.181 Kg/Km

Max. Recommended Pulling Tension: 203.283 N

Min. Bend Radius/Minor Axis: 57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

METRIC MEASUREMENT VERSION

89841 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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:	NFPA 262
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	9841

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

120

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

39.372

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

72.182

Nominal Velocity of Propagation:

VP (%)

76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

10.1711

Max. Operating Voltage - UL:

Voltage

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
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METRIC MEASUREMENT VERSION

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89841 0021000	305 MT	13.154 KG	RED	C	1 PR #24 FFEPR SH FEP
89841 002500	152 MT	7.031 KG	RED		1 PR #24 FFEPR SH FEP
89841 0025000	1,524 MT	65.771 KG	RED		1 PR #24 FFEPR SH FEP

Notes:

C = CRATE REEL PUT-UP.

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