

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**

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NEC/(UL) Specification:	CMP
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CEC/C(UL) Specification:	CMP
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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Plenum/Non-Plenum

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

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

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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