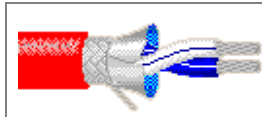


**89841 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable**



For more Information  
 please call  
 1-800-Belden1



**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
1.000	24	7x32	TC - Tinned Copper

**Insulation:**

Insulation Material

Ins Trade Name	Ins Material
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene

**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 Cabling:**

Overall Nominal Diameter: .202 in.

**Pair:**

Pair Color Code Chart

Number	Color
1	White/Blue & Blue/White

Pair Lay Length & Direction

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-70°C To +200°C
UL Temperature Rating	150°C
Non-UL Temperature Rating	200°C
Bulk Cable Weight:	32 lbs/1000 ft.
Max. Recommended Pulling Tension:	45.700 lbs.
Min. Bend Radius (Install):	2 in.

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**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005

**Flame Test:**

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

**Plenum/Non-Plenum:**

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

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
120.000

Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
12.000

Nom. Capacitance Cond. to Other Conductor & Shield

<b>Capacitance (pF/ft)</b>
22.000

Nominal Velocity of Propagation

<b>VP (%)</b>
76

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
24.000

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS

Max. Recommended Current

<b>Current</b>
4 Amps per conductor @ 25°C

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.100

**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	Jacket Color	Notes	Item Desc
89841 0021000	1,000 FT	27.000 LB	RED	C	1 PR #24 FFEPR SH FEP RED
89841 002500	500 FT	13.500 LB	RED		1 PR #24 FFEPR SH FEP RED

**Notes:**

C = CRATE REEL PUT-UP.

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Revision Number: 1    Revision Date: 05-14-2007

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