# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



## 82841 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, Flamarrest® jacket.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
1	24	7x32	TC - Tinned Copper

#### Insulation

#### **Insulation Material:**

Insulation Trade Name	Insulation 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
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.204 in.

#### Pair

## Pair Color Code Chart:



#### Pair Lay Length & Direction:

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

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	0°C To +75°C		
Bulk Cable Weight:	30 lbs/1000 ft.		
Max. Recommended Pulling Tension:	45.700 lbs.		
Min. Bend Radius (Install)/Minor Axis:	2 in.		

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oplicable Standards & Environmental Programs				
NEC/(UL) Specification:	CMP			
CEC/C(UL) Specification:	CMP			
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):	10/01/2005			
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			
C(UL) Flame Test:	FT6			
Plenum/Non-Plenum				
Plenum (Y/N):	Yes			
Non-Plenum Number:	9841			

Nom. Characteristic Impedance:

Impedance	(Ohm)
120	

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12

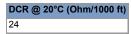
Nom. Capacitance Cond. to Other Conductor & Shield:



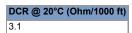
**Nominal Velocity of Propagation:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended 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.

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#### **Related Documents:**

No related documents are available for this product

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82841 8771000	1,000 FT	28.000 LB	NATURAL	С	1 PR #24 FFEPR SH FLRST
82841 877500	500 FT	14.500 LB	NATURAL		1 PR #24 FFEPR SH FLRST
82841 8775000	5,000 FT	135.000 LB	NATURAL		1 PR #24 FFEPR SH FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Date: 01-06-2009 Revision Number: 2

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