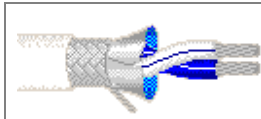


82841 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable



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, Flammarrest® 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
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cabling:

Overall Nominal Diameter: .204 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	0°C To +75°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	45.700 lbs.
Min. Bend Radius (Install):	2 in.

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)	No

Flame Test:

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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

Impedance (Ohm)
120.000

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
12.000

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
22.000

Nominal Velocity of Propagation

VP (%)
76

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
24.000

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current
4 Amps per conductor @ 25°C

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
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
82841 8771000	1,000 FT	26.000 LB	NATURAL	C	1 PR #24 FFEPR SH FLRST NAT
82841 877500	500 FT	13.000 LB	NATURAL		1 PR #24 FFEPR SH FLRST NAT

Notes:

C = CRATE REEL PUT-UP.

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