

89842 Paired - Low Capacitance Computer and Computer P.O.S. Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
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Description:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, foam FEP insulation, overall 100% Beldfoil® shield, 24 AWG stranded tinned copper drain wire, overall tinned copper braid shield (90% coverage), FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Lay Length	2 in.
Twists/ft.	6

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	2	White/Orange & Orange/White

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid
Outer Shield Material :	

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	24
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Outer Shield Drain Wire Stranding	7x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.305 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +150°C
Bulk Cable Weight	44 lbs/1000 ft.
Max. Recommended Pulling Tension	68 lbs.
Min. Bend Radius (Install)	3.1 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
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	9842

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	120 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	12 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22 pF/ft
Nominal Velocity of Propagation	76 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.1 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	4 Amps per conductor @ 25°C

NOTES:

Notes	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89842 0021000	2 PR #24 FFEPR SH FEP	1000	49	RED	C
89842 002500	2 PR #24 FFEPR SH FEP	500	25.5	RED	C

C = CRATE REEL PUT-UP.

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