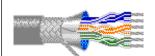


9843 Paired - Low Capacitance Computer Cables for EIA RS-485 Applications





For more information please call
1-800-Belden1

See Put-ups and Colors

Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf

Description:

24~AWG~stranded~(7x32)~TC~conductors,~polyethylene~insulation,~twisted~pairs,~overall~Beldfoil @~(100%~coverage) + TC~braid~shield~(90%~coverage),~24~AWG~stranded~TC~drain~wire,~PVC~jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	3
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material PE - Polyethylene

Lay Length:

Lay Length (in.)	Direction	Twists/ft (twist/ft)
1.0	Left Hand Lay	12

Twists/ft.

Pair Color Code Chart:

Number	Color	Number	Color
1 White/Blue & Blue/White		3	White/Green & Green/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	Туре	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90



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OUTED	SHIELD	DDAIN	WIDE .
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Outer Shield Drain Wire AWG 24

Outer Shield Drain Wire Stranding 7x32

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .360 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -30°C To +80°C

UL Temperature Rating 80°C (UL AWM Style 2919)

Bulk Cable Weight 73 lbs/1000 ft.

Max. Recommended Pulling Tension 105.5 lbs.

Min. Bend Radius (Install) 3.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM

CEC/C(UL) Specification CM

AWM Specification UL Style 2919 (300 V 80°C)

EU CE Mark (Y/N) Yes
EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

FLAME TEST:

UL Flame Test UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N) N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	120 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	23 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	12.8 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.6 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.3 Ohms/1000 ft
Nom. Attenuation (dB/100 ft)	0.6 (@ 1 MHz) dB/100 ft.
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2919)
Max. Recommended Current	1.54 Amps per conductor @ 25°C



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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9843 060100	3 PR #24 PE SH PVC	100	7.1	CHROME	
9843 0601000	3 PR #24 PE SH PVC	1000	67	CHROME	С
9843 060500	3 PR #24 PE SH PVC	500	34.5	CHROME	С

C = CRATE REEL PUT-UP.

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