8107 Paired - Low Capacitance Computer Cable for EIA RS-232/422 Applicatio

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, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	7
Total Number of Conductors	14
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	5	White/Gray & Gray/White
2	White/Orange & Orange/White	6	Red/Blue & Blue/Red
3	White/Green & Green/White	7	Red/Orange & Orange/Red
4	White/Brown & Brown/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 w/Shorting Fold	100
2		Braid	TC - Tinned Copper	65

Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE :

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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	.341 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	62.5 lbs/1000 ft.
Max. Recommended Pulling Tension	82.5 lbs.
Min. Bend Radius (Install)	3.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2919 (30 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
Plenum Number	88107

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	12.5 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.5 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919), 300 V RMS
Max. Recommended Current	1.5 Amps per conductor @ 25°C

NOTES:

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Notes	Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8107 060100	7 PR #24 FHDPE SH PVC	100	6.8	CHROME	
8107 0601000	7 PR #24 FHDPE SH PVC	1000	63	CHROME	C
8107 060500	7 PR #24 FHDPE SH PVC	500	33	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-22-2005