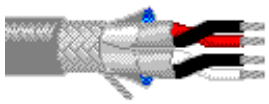
Detailed Specifications & Technical Data

BELDENCable

8162 Paired - Low Capacitance Computer Cable for EIA RS-232/422 & Digital



For more information please call

1-800-Belden1

See Put-ups and Colors

Related Documents : No. 3 for Paired Cables (Belden Standard).pdf

Description:

24 AWG stranded (7x32) TC conductors, Datalene® insulation, twisted pairs individually Beldfoil® shielded + overall 100% Beldfoil + TC braid shield (65% coverage), drain wire, PVC 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	Datalene®
Insulation Material	FPE - Foam Polyethylene
Lay Length	1 in.
Twists/ft.	12

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & Red	2	Black & White

INNER SHIELD:

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	7x32
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER SHIELD:

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Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
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	65

Outer Shield %Coverage	100 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.343 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +60°C
Non-UL Temperature Rating	60°C (UL AWM Style 2493)
Bulk Cable Weight	66 lbs/1000 ft.
Max. Recommended Pulling Tension	63 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 2493 (300 V 60°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	VW-1, UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

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	24.0 Ohms/1000 ft

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Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	18 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	4.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.8 Amps per conductor @ 25°C

NOTES:

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
8162 060100	2 FS PR #24 FHDPE SH PVC	100	6.2	CHROME	
8162 0601000	2 FS PR #24 FHDPE SH PVC	1000	57	CHROME	C
8162 060500	2 FS PR #24 FHDPE SH PVC	500	30	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-25-2005