勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-54151736
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

Part Number: 8162 Paired - Low Capacitance Computer Cables for EIA RS-232/422

DESCRIPTION:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, individually shielded with 100% Beldfoil®, 24 AWG strai wire, Datalene® insulation, overall Beldfoil® shield plus 65% tinned copper braid shield, 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**

PAIR :

Pair Lay Length:	**1 in.**
Pair Twists/ft.:	**12**
Pair Shield Material Trade Name:	**Beldfoil®**
Pair Shield Type:	**Tape**
Pair Shield Material:	**Aluminum Foil-Polyester Tape**
Pair Shield % Coverage:	**100 %**

PAIR SHIELD DRAIN WIRE :

Pair Shield Drain Wire AWG:	**24**
Pair Shield Drain Wire Stranding:	**Stranded**
Pair Shield Drain Wire Conductor Material:	**TC - Tinned Copper**

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

OUTER SHIELD :

Outer Shield 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-	100

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			Polyester Tape	
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**
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: **2493 (60 ° C)**

FLAME TEST :

UL Flame Test: **UL1581 Vertical Tray, VW-1**

PLENUM/NON-PLENUM :

Plenum (Y/N): **N**

ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance: **100 Ω**
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 Ω/1000 ft**
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: **18 Ω/1000 ft**
Nominal Outer Shield DC Resistance @ 20 Deg. C: **4.3 Ω/1000 ft**
Max. Operating Voltage - UL: **300 V RMS**
Other Maximum Continuous Currents: **1.8 Amps Per Conductor @ 25 ° C**

NOTES :

Notes: **Datalene insulation features include low dielectric constan factor for high-speed, low-distortion data handling. Physic 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: 01-29-2003