



9814 Paired - Low Capacitance Computer Cable for EIA RS-232/422

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 3 for Paired Cables (Belden Standard).pdf</p>
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Description:

28 AWG stranded (7x36) TC conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 28 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	31
Total Number of Conductors	62
AWG	28
Stranding	7x36
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PP - Polypropylene
Lay Length	.65 in.
Twists/ft.	19
Pair Color Code Chart :	



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Number	Color	Number	Color
1	Black & Red	17	Green & Brown
2	Black & White	18	Green & Orange
3	Black & Green	19	White & Blue
4	Black & Blue	20	White & Yellow
5	Black & Yellow	21	White & Brown
6	Black & Brown	22	White & Orange
7	Black & Orange	23	Blue & Yellow
8	Red & White	24	Blue & Brown
9	Red & Green	25	Blue & Orange
10	Red & Blue	26	Brown & Yellow
11	Red & Yellow	27	Brown & Orange
12	Red & Brown	28	Orange & Yellow
13	Red & Orange	29	Purple & Orange
14	Green & White	30	Purple & Red
15	Green & Blue	31	Purple & White
16	Green & Yellow		

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 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG 28

Outer Shield Drain Wire Stranding 7x36

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .462 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +60°C

UL Temperature Rating 60°C (UL AWM Style 2960)

Bulk Cable Weight 115 lbs/1000 ft.

Max. Recommended Pulling Tension 207 lbs.

Min. Bend Radius (Install) 4.6 in.



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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2
AWM Specification	UL Style 2960 (30 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	UL1685 UL Loading
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Inductance	.19 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	15.5 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	27.5 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	64.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.1 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2960); 150 V RMS
Max. Recommended Current	.5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9814 060100	31 PR #28 PP SH PVC	100	11.8	CHROME	
9814 0601000	31 PR #28 PP SH PVC	1000	127	CHROME	C
9814 060500	31 PR #28 PP SH PVC	500	64	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-21-2005



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