

9874 Paired - Audio, Control and Instrumentation Cable

 	<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:

20 AWG stranded (7x28) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, overall PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	6
Total Number of Conductors	12
AWG	20
Stranding	7x28
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PP - Polypropylene
Lay Length	1.75 in.
Twists/ft.	6.85

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & Red	4	Black & Blue
2	Black & White	5	Black & Yellow
3	Black & Green	6	Black & Brown

INNER SHIELD:

Inner Shield Material Trade Name	Beldfoil® (Z-Fold®)
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	22
Inner Shield Drain Wire Stranding	19x34
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

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Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.445 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	102 lbs/1000 ft.
Max. Recommended Pulling Tension	256 lbs.
Min. Bend Radius (Install)	4.7 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
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	55 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	10.5 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	11.3 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919), 300 V RMS (CM)
Max. Recommended Current	2.7 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9874 060100	6 FS PR #20 PP PVC	100	10.3	CHROME	C
9874 0601000	6 FS PR #20 PP PVC	1000	113	CHROME	C

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9874 060250	6 FS PR #20 PP PVC	250	29	CHROME	
9874 060500	6 FS PR #20 PP PVC	500	56.5	CHROME	C

C = CRATE REEL PUT-UP.

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