


8769 Paired - Audio, Control and Instrumentation Cable

	<p>For more information please call 1-800-Belden1</p> <p>Color Code Chart : No. 3 for Paired Cables (Belden Standard).pdf</p>
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Description:

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually shielded with 100% Beldfoil® shield, 22 AWG stranded tinned copper drain wire each pair, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	19
Total Number of Conductors	38
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PP - Polypropylene
Insulation Diameter	.050 in.

PAIR:

Pair Lay Length	1.75 in.
Pair Twists/ft.	6.85
Pair Shield Material Trade Name	Beldfoil® (Z-Fold®)
Pair Shield Type	Tape
Pair Shield Material	Aluminum Foil-Polyester Tape
Pair Shield % Coverage	100 %

PAIR SHIELD DRAIN WIRE :

Pair Shield Drain Wire AWG	22
Pair Shield Drain Wire Stranding	Stranded
Pair Shield Drain Wire Conductor Material	TC - Tinned Copper

Pair Color Code Chart :

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Number	Color	Number	Color
1	Black & Red	11	Red & Yellow
2	Black & White	12	Red & Brown
3	Black & Green	13	Red & Orange
4	Black & Blue	14	Green & White
5	Black & Yellow	15	Green & Blue
6	Black & Brown	16	Green & Yellow
7	Black & Orange	17	Green & Brown
8	Red & White	18	Green & Orange
9	Red & Green	19	White & Blue
10	Red & Blue		

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .603 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +80°C
 UL Temperature Rating 80°C (UL AWM Style 2919)
 Bulk Cable Weight 232.8 lbs/1000 ft.
 Max. Recommended Pulling Tension 443 lbs.
 Min. Bend Radius (Install) 6 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)

FLAME TEST:

UL Flame Test UL1581 Vertical Tray

PLENUM/NON-PLENUM:

Plenum (Y/N) N

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 15 Ohms/1000 ft
 Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C 10.6 Ohms/1000 ft



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Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919), 300 V RMS (CM)
Other Maximum Continuous Currents	1.0 Amps per conductor @ 25°C

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