

## 8458 Non-Paired - Audio, Control and Instrumentation Cable

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 2 and 2R (ICEA).pdf</p>
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**Description:**

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Conductors	15
Total Number of Conductors	15
AWG	22
Stranding	7x30
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.010 in.

**OVERALL CABLING:**

Overall Cabling Lay Length	3.45 in.
Overall Cabling Color Code Chart	Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White

**OUTER SHIELD:**

Outer Shield Material	Unshielded
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**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.040 in.

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.315 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-20°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2576)
Bulk Cable Weight	64.7 lbs/1000 ft.

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Max. Recommended Pulling Tension	135 lbs.
Min. Bend Radius (Install)	3.3 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 2576 (150 V 80°C)
CSA Specification	FT4
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

**PLENUM/NON-PLENUM:**

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

Nom. Inductance	.17 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	34 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	15.6 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (CMG), 150 V RMS (UL AWM Style 2576)
Max. Recommended Current	2.1 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8458 060100	15 #22 PVC PVC	100	7.3	CHROME	
8458 0601000	15 #22 PVC PVC	1000	72	CHROME	C
8458 060500	15 #22 PVC PVC	500	35.5	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 05-16-2005

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