

8441 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**General Description:**

Overall braid, 22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, polyester tape + TC braid shield (85% coverage), stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 4.928 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2095)

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 217.962 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2095 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
45

Nom. Inductance:

Inductance (μH/m)
0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
160.769

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
282.166

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
54.1365

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.405

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2095)

Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8441 010U1000	1,000 FT	27.000 LB	BLACK		BRAID 2 #22 PVC SH PVC
8441 010U500	500 FT	14.000 LB	BLACK		BRAID 2 #22 PVC SH PVC
8441 010100	100 FT	3.300 LB	BLACK		BRAID 2 #22 PVC SH PVC

METRIC MEASUREMENT VERSION

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8441 0101000	1,000 FT	27.000 LB	BLACK	C	BRAID 2 #22 PVC SH PVC
8441 010500	500 FT	14.000 LB	BLACK	C	BRAID 2 #22 PVC SH PVC
8441 0105000	5,000 FT	135.000 LB	BLACK		BRAID 2 #22 PVC SH PVC

Notes:

C = CRATE REEL PUT-UP.

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