

8768 Multi-Conductor - Audio, Control and Instrumentation Cable

 For more Information
 please call

1-800-Belden1

**General Description:**

22 AWG solid conductors, PVC insulation, tinned copper, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG solid TC drain wire, overall PVC jacket.

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

# Pairs	AWG	Stranding	Conductor Material
6	22	Solid	TC - Tinned Copper

Total Number of Conductors: 12
Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.3302

Inner Shield**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: Solid

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper
Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Solid	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Overall Cable
Overall Nominal Diameter: 9.627 mm
Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

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5	Black & Yellow
6	Black & Brown

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	114.591 Kg/Km
Max. Recommended Pulling Tension:	622.748 N
Min. Bend Radius/Minor Axis:	101.600 mm

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

NEC/(UL) Specification:	CMG, MPG
CEC/C(UL) Specification:	CMG, MPG
AWM Specification:	UL Style 2464 (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. Inductance:**

Inductance (µH/m)
0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
131.24

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
252.637

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
54.7927

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	39.372 Ohm/km
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Max. Recommended Current:

Current
2 Amps per conductor @ 25°C

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8768 0601000	305 MT	39.009 KG	CHROME	C	6 #22 PVC SH PR PVC
8768 060500	152 MT	19.731 KG	CHROME	C	6 #22 PVC SH PR PVC
8768 0605000	1,524 MT	215.457 KG	CHROME		6 #22 PVC SH PR PVC

Notes:

C = CRATE REEL PUT-UP.

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