# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



# 9462 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



### **General Description:**

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

#### **Physical Characteristics (Overall)** Conductor AWG: # Pairs AWG Stranding Conductor Material TC - Tinned Copper 22 7x30 **Total Number of Conductors:** 2 Insulation Insulation Material: **Insulation Material** Wall Thickness (in.) PVC - Polyvinyl Chloride | 0.014 **Outer Shield** Outer Shield Material: Outer Shield Trade Name Type Outer Shield Material Coverage (%) Beldfoil® (Z-Fold®) Tape | Aluminum Foil-Polyester Tape | 100 Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material 22 7x30 TC - Tinned Copper **Outer Jacket Outer Jacket Material:** Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride | .035 **Overall Cable Overall Nominal Diameter:** 0.186 in. Pair Pair Color Code Chart: Number Color Black & Red **Mechanical Characteristics (Overall) Operating Temperature Range:** -30°C To +80°C **UL Temperature Rating:** 80°C (UL AWM Style 2464) **Bulk Cable Weight:** 19 lbs/1000 ft. Max. Recommended Pulling Tension: 27 lbs. Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & Environmental Programs** NEC/(UL) Specification: CEC/C(UL) Specification: CMG UL Style 2464 (300 V 80°C) **AWM Specification:** EU Directive 2011/65/EU (ROHS II): EU CE Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): 04/01/2005 EU RoHS Compliance Date (mm/dd/yyyy):

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	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			
Ple	Plenum/Non-Plenum				
	Plenum (Y/N):	No			

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)
36

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000	ft)
16	

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

3 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9462 060U1000	1,000 FT	21.000 LB	CHROME		2 #22 PVC FS PVC
9462 060U500	500 FT	11.000 LB	CHROME		2 #22 PVC FS PVC
9462 060100	100 FT	2.700 LB	CHROME		2 #22 PVC FS PVC
9462 0601000	1,000 FT	21.000 LB	CHROME	С	2 #22 PVC FS PVC
9462 060500	500 FT	10.500 LB	CHROME		2 #22 PVC FS PVC
9462 0605000	5,000 FT	105.000 LB	CHROME	CZ	2 #22 PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 08-15-2012

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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