

## 9305 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG solid tinned copper conductors, PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
4	22	Solid	TC - Tinned Copper

Total Number of Conductors: 8

#### Insulation

##### Insulation Material:

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

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	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 (mm)
PVC - Polyvinyl Chloride	0.8128

#### Overall Cable

Overall Nominal Diameter: 6.731 mm

#### Pair

##### Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	61.016 Kg/Km
Max. Recommended Pulling Tension:	391.442 N
Min. Bend Radius/Minor Axis:	69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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)	0.6562
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#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	164.05
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	114.835
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	54.1365
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	41.0125
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Max. Recommended Current:

Current	2.32 Amps per conductor @ 25°C
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9305 060U1000	1,000 FT	43.000 LB	CHROME		4 PR #22 PVC FS PVC
9305 060U500	500 FT	22.000 LB	CHROME		4 PR #22 PVC FS PVC
9305 060100	100 FT	4.900 LB	CHROME		4 PR #22 PVC FS PVC

## METRIC MEASUREMENT VERSION

### 9305 Multi-Conductor - Audio, Control and Instrumentation Cable

9305 0601000	1,000 FT	45.000 LB	CHROME		4 PR #22 PVC FS PVC
9305 060500	500 FT	22.500 LB	CHROME	C	4 PR #22 PVC FS PVC
9305 0605000	5,000 FT	220.000 LB	CHROME	C	4 PR #22 PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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