

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9402 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (7x28) TC conductors, semi-rigid PVC insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	20	7x28	TC - Tinned Copper

Total Number of Conductors:

4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

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:

19x34

Inner Shield Drain Wire Conductor Material:

TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0414

Overall Cable

Overall Nominal Diameter:

7.620 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

Mechanical Characteristics (Overall)

Operating Temperature Range:

-20°C To +80°C

UL Temperature Rating:

80°C (UL AWM Style 2464)

Bulk Cable Weight:

72.922 Kg/Km

Max. Recommended Pulling Tension:

320.270 N

Min. Bend Radius/Minor Axis:

76.200 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

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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

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μ H/m)
0.558

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
180.455

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
311.695

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
30.5133

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

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9402 060U500	152 MT	11.793 KG	CHROME		2 FS PR #20 PVC PVC
9402 0601000	305 MT	23.587 KG	CHROME	C	2 FS PR #20 PVC PVC
9402 0605000	1,524 MT	117.935 KG	CHROME		2 FS PR #20 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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