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1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
9	22	7x30	TC - Tinned Copper

Total Number of Conductors: 18

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	1.5748

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)
F-R PVC - Flame Retardant Polyvinyl Chloride	1.3462

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 12.243 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red and Numbered
2	Black & Red and Numbered
3	Black & Red and Numbered
4	Black & Red and Numbered
5	Black & Red and Numbered
6	Black & Red and Numbered
7	Black & Red and Numbered
8	Black & Red and Numbered
9	Black & Red and Numbered

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 166.678 Kg/Km

Max. Recommended Pulling Tension: 765.090 N

Min. Bend Radius/Minor Axis: 121.920 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

9520 Multi-Conductor - 300V Power-Limited Tray Cable

CEC/C(UL) Specification:	CMG
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
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
85.306

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
147.645

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.4 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9520 0601000	1,000 FT	129.000 LB	CHROME	C	9 PR #22 PVC FS PVC
9520 060500	500 FT	61.000 LB	CHROME	C	9 PR #22 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

9520 Multi-Conductor - 300V Power-Limited Tray Cable

Revision Number: 2 Revision Date: 10-21-2014

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