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please call

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
3	22	7x30	TC - Tinned Copper

Total Number of Conductors: 6

#### 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	1.0668

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 8.230 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red and Numbered
2	Black & Red and Numbered
3	Black & Red and Numbered

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 71.434 Kg/Km

Max. Recommended Pulling Tension: 280.237 N

Min. Bend Radius/Minor Axis: 83.820 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

## METRIC MEASUREMENT VERSION

## 9513 Multi-Conductor - 300V Power-Limited Tray Cable

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
MIL 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 ( $\mu\text{H/m}$ )

0.68901

### Nom. Capacitance Conductor to Conductor:

Capacitance ( $\text{pF/m}$ )

85.306

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance ( $\text{pF/m}$ )

147.645

### Nom. Conductor DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )

49.215

### Nominal Outer Shield DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )

49.215

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

3.4 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9513 0601000	1,000 FT	51.000 LB	CHROME	C	3 PR #22 PVC FS PVC
9513 0602500	2,500 FT	125.000 LB	CHROME	Z	3 PR #22 PVC FS PVC
9513 060500	500 FT	26.500 LB	CHROME	C	3 PR #22 PVC FS PVC
9513 0605000	5,000 FT	250.000 LB	CHROME	C Z	3 PR #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.

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## METRIC MEASUREMENT VERSION

### 9513 Multi-Conductor - 300V Power-Limited Tray Cable

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