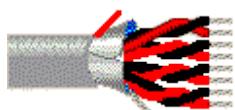


# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 9516 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1



### 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
6	22	7x30	TC - Tinned Copper

Total Number of Conductors: 12

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
F-R PVC - Flame Retardant Polyvinyl Chloride	.062

#### 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 (in.)
F-R PVC - Flame Retardant Polyvinyl Chloride	.053

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 0.418 in.

#### 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

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 84 lbs/1000 ft.

Max. Recommended Pulling Tension: 118 lbs.

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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Min. Bend Radius/Minor Axis: 4.200 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

CEC/C(UL) Specification: CMG

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

ICEA Flame Test: T-29-520

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

Sunlight Resistance: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance ( $\mu$ H/ft)  
.21

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
26

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

Capacitance (pF/ft)  
45

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
15

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
15

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 9516 Multi-Conductor - 300V Power-Limited Tray Cable

### Max. Recommended Current:

Current
3.4 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9516 0601000	1,000 FT	89.000 LB	CHROME	C	6 #22 PR PVC FS PVC
9516 060500	500 FT	45.000 LB	CHROME	C	6 #22 PR PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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