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1-800-Belden1



### General Description:

12 AWG pairs stranded (65x30) tinned copper conductors, twisted pairs, PVC insulation, unshielded, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	12	65x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	.143

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.042

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.370 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 76 lbs/1000 ft.

Max. Recommended Pulling Tension: 197 lbs.

Min. Bend Radius/Minor Axis: 3.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL3R, ITC-ER, PLTC-ER

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

IEEE Specification: 1202

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

## 9412 Multi-Conductor - 300V Power-Limited Tray Cable

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT4

### Suitability

Sunlight Resistance: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.18

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Operating Voltage - Other:

Voltage	Description
25 KV RMS	Nominal breakdown voltage between conductors

#### Max. Recommended Current:

Current

17 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9412 0601000	1,000 FT	84.000 LB	CHROME	C	2 #12 PVC PVC
9412 0602500	2,500 FT	207.500 LB	CHROME	Z	2 #12 PVC PVC
9412 060500	500 FT	42.000 LB	CHROME	C	2 #12 PVC 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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