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please call

1-800-Belden1



### General Description:

12 AWG pairs stranded (65x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), 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. (mm)
PVC - Polyvinyl Chloride	3.6322

#### 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
14	19x27	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0668

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 9.474 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 136.914 Kg/Km

Max. Recommended Pulling Tension: 1000.850 N

Min. Bend Radius/Minor Axis: 95.250 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

## 9312 Multi-Conductor - 300V Power-Limited Tray Cable

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 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

Sunlight Resistance:	Yes
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### Plenum/Non-Plenum

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

Surface Printing:	BELDEN 9312 E34972 1PR12 SHIELDED (UL) CL3R 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V- - - FT4 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.59058
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	82.025
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#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	160.769
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	5.9058
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	98.43
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Max. Recommended Current:

Current	17 Amps per conductor @ 25°C
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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9312 0601000	1,000 FT	96.000 LB	CHROME	C	2 #12 PVC FS PVC
9312 060500	500 FT	49.000 LB	CHROME	C	2 #12 PVC FS PVC

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**Notes:**

C = CRATE REEL PUT-UP.

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