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please call

1-800-Belden1



### Description:

12 AWG pairs stranded (37x27) tinned copper conductors, twisted pairs, overall Beldfoil® shield (100% coverage), PVC/Nylon insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	12	37x27	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### 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
12	19x25	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.143

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 9.754 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
101.6	9.843

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 156.261 Kg/Km

Max. Recommended Pulling Tension: 1125.390 N

Min. Bend Radius/Minor Axis: 95.250 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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
Other Specification:	ICEA S-73-532, S-61-402

### Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance ( $\mu\text{H/m}$ )
0.62339

### Nom. Capacitance Conductor to Conductor:

Capacitance ( $\text{pF/m}$ )
183.736

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

Capacitance ( $\text{pF/m}$ )
347.786

### Nom. Conductor DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )
5.41365

### Nominal Outer Shield DC Resistance:

DCR @ 20°C ( $\text{Ohm/km}$ )
5.11836

### Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)
150 V RMS (NPLF)

### Max. Recommended Current:

Current
30 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9344 0101000	305 MT	52.163 KG	BLACK	C	2 #12 PVC/NYL SHLD PVC
9344 010500	152 MT	25.628 KG	BLACK	C	2 #12 PVC/NYL SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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