

## 5300UG Multi-Conductor - Residential, Light Commercial and Institutional Applications

For more Information  
please call

1-800-Belden1



### Description:

18 AWG stranded (7x30) bare copper conductors, polypropylene insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	.006

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.015

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

Length (in.)
2.5

##### Overall Cabling Color Code Chart:

Color
Black
Red

Overall Nominal Diameter: 0.148 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 15 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

## 5300UG Multi-Conductor - Residential, Light Commercial and Institutional Applications

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): 01/01/2004

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: FT1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)

.14

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

22.5

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5300UG 008U1000	1,000 FT	17.000 LB	GRAY		2 #18 PP FRPVC
5300UG 008U500	500 FT	8.500 LB	GRAY		2 #18 PP FRPVC
5300UG 009C500	500 FT	7.000 LB	WHITE		2 #18 PP FRPVC
5300UG 009U1000	1,000 FT	16.000 LB	WHITE		2 #18 PP FRPVC
5300UG 009U500	500 FT	8.500 LB	WHITE		2 #18 PP FRPVC
5300UG 010U1000	1,000 FT	17.000 LB	BLACK		2 #18 PP FRPVC

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