

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



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Rated-CM, 2-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.1524

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)
63.49975

Overall Cabling Color Code Chart:

Color
Black
Red

Overall Nominal Diameter: 3.759 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	22.323 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
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):	01/01/2004

METRIC MEASUREMENT VERSION

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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
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.45934

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
73.8225

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5300UG 008U1000	305 MT	7.258 KG	GRAY		2 #18 PP FRPVC
5300UG 008U500	152 MT	3.856 KG	GRAY		2 #18 PP FRPVC
5300UG 009C500	152 MT	3.175 KG	WHITE		2 #18 PP FRPVC
5300UG 009U1000	305 MT	7.258 KG	WHITE		2 #18 PP FRPVC
5300UG 009U500	152 MT	3.856 KG	WHITE		2 #18 PP FRPVC
5300UG 010U1000	305 MT	7.258 KG	BLACK		2 #18 PP FRPVC

Revision Number: 1 Revision Date: 03-11-2013

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