


**Detailed Specifications &
Technical Data**



5300UG Non-Paired - New Generation®

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

Bare copper conductors, polypropylene insulation, PVC jacket. Conductors may not be cabled. Sequential footage marking every two feet.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	18
Stranding	7
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PP - Polypropylene
Nom. Insulation Wall Thickness	.006 in.

OVERALL CABLING:

Overall Cabling Lay Length	2.5 in.
Overall Cabling Color Code Chart	Black, Red

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.015 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.148 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
Bulk Cable Weight	15 lbs/1000 ft.
Max. Recommended Pulling Tension	45 lbs.
Min. Bend Radius (Install)	1.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
CSA Flame Test	FT1

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.14 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	22.5 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
5300UG 008C500	2 #18 PP FRPVC	C500	7.5	GRAY	
5300UG 008U1000	2 #18 PP FRPVC	U1000	16	GRAY	
5300UG 008U500	2 #18 PP FRPVC	U500	8.5	GRAY	
5300UG 009C500	2 #18 PP FRPVC	C500	7.5	WHITE	
5300UG 009U1000	2 #18 PP FRPVC	U1000	16	WHITE	
5300UG 009U500	2 #18 PP FRPVC	U500	8.5	WHITE	
5300UG 010C500	2 #18 PP FRPVC	C500	7.5	BLACK	
5300UG 010U1000	2 #18 PP FRPVC	U1000	16	BLACK	
5300UG 010U500	2 #18 PP FRPVC	U500	8.5	BLACK	
5300UG 877C500	2 #18 PP FRPVC	C500	7.5	NATURAL	

Revision Number: 1 Revision Date: 04-07-2004

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BELDENCable™

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