

**Detailed Specifications &
Technical Data**



5100UP 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 high-conductivity ETP copper conductors, highly stranded for ultra flexibility, high-grade PVC insulation, PVC jacket with ripcord. Sequential footage marking every two feet.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	14
Stranding	42
Conductor Material	Bare High-Conductivity ETP Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.020 in.

OVERALL CABLING:

Overall Cabling Lay Length	3.5 in.
Overall Cabling Twists/ft.	3.4
Overall Cabling Color Code Chart	Black, White

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.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.260 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	75°C

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Bulk Cable Weight	39 lbs/1000 ft.
Max. Recommended Pulling Tension	109.2 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL3
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FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Inductance	0.17 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	29 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	2.42 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	22 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
5100UP 0051000	2 #14 PVC FRPVC	1000	43	GREEN, DARK	
5100UP 005500	2 #14 PVC FRPVC	500	23.5	GREEN, DARK	
5100UP 005U1000	2 #14 PVC FRPVC	U1000	42	GREEN, DARK	
5100UP 005U500	2 #14 PVC FRPVC	U500	21.5	GREEN, DARK	
5100UP 0081000	2 #14 PVC FRPVC	1000	43	GRAY	C
5100UP 008500	2 #14 PVC FRPVC	500	23.5	GRAY	
5100UP 008U1000	2 #14 PVC FRPVC	U1000	42	GRAY	
5100UP 008U500	2 #14 PVC FRPVC	U500	21.5	GRAY	
5100UP 0091000	2 #14 PVC FRPVC	1000	43	WHITE	
5100UP 009500	2 #14 PVC FRPVC	500	23.5	WHITE	
5100UP 009U1000	2 #14 PVC FRPVC	U1000	42	WHITE	
5100UP 009U500	2 #14 PVC FRPVC	U500	21.5	WHITE	

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5100UP 0101000	2 #14 PVC FRPVC	1000	43	BLACK	C
5100UP 010500	2 #14 PVC FRPVC	500	23.5	BLACK	
5100UP 010U1000	2 #14 PVC FRPVC	U1000	42	BLACK	
5100UP 010U500	2 #14 PVC FRPVC	U500	21.5	BLACK	
5100UP D151000	2 #14 PVC FRPVC	1000	43	BLUE	C
5100UP D15500	2 #14 PVC FRPVC	500	23.5	BLUE	C
5100UP D15U1000	2 #14 PVC FRPVC	U1000	42	BLUE	
5100UP D15U500	2 #14 PVC FRPVC	U500	21.5	BLUE	

C = CRATE REEL PUT-UP.

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