

**Detailed Specifications &
Technical Data**



5500UG Non-Paired - New Generation®

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

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 | 22 |
| Stranding | 7 |
| Conductor Material | BC - Bare Copper |

INSULATION:

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

OVERALL CABLING:

| | |
|----------------------------------|------------|
| Overall Cabling Color Code Chart | Black, Red |
|----------------------------------|------------|

OUTER SHIELD:

| | |
|-----------------------|------------|
| Outer Shield Material | Unshielded |
|-----------------------|------------|

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .114 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|------------------|
| Operating Temperature Range | -20°C To +75°C |
| Bulk Cable Weight | 7.3 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 18.2 lbs. |
| Min. Bend Radius (Install) | 1.2 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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| | |
|-------------------------|-----|
| NEC/(UL) Specification | CM |
| NEC Articles | 800 |
| CEC/C(UL) Specification | CM |

FLAME TEST:

| | |
|----------------|----------------------|
| UL Flame Test | UL1581 Vertical Tray |
| CSA Flame Test | FT1 |

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------------------|
| Nom. Inductance | .155 µH/ft |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 20 pF/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 16.1 Ohms/1000 ft |
| Max. Operating Voltage - UL | 300 V RMS |
| Max. Recommended Current | 2.8 Amps per conductor @ 25°C |

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|-----------------|----------------|--------------|--------------------|--------------|-------|
| 5500UG 001C1000 | 2 #22 PP FRPVC | C1000 | 7 | BROWN | |
| 5500UG 001C500 | 2 #22 PP FRPVC | C500 | 3.5 | BROWN | |
| 5500UG 001U1000 | 2 #22 PP FRPVC | U1000 | 9 | BROWN | |
| 5500UG 001U500 | 2 #22 PP FRPVC | U500 | 5 | BROWN | |
| 5500UG 003C1000 | 2 #22 PP FRPVC | C1000 | 7 | ORANGE | |
| 5500UG 003C500 | 2 #22 PP FRPVC | C500 | 3.5 | ORANGE | |
| 5500UG 003U500 | 2 #22 PP FRPVC | U500 | 5 | ORANGE | |
| 5500UG 004C1000 | 2 #22 PP FRPVC | C1000 | 7 | YELLOW | |
| 5500UG 004C500 | 2 #22 PP FRPVC | C500 | 3.5 | YELLOW | |
| 5500UG 004U500 | 2 #22 PP FRPVC | U500 | 5 | YELLOW | |
| 5500UG 005C1000 | 2 #22 PP FRPVC | C1000 | 7 | GREEN, DARK | |
| 5500UG 005C500 | 2 #22 PP FRPVC | C500 | 3.5 | GREEN, DARK | |
| 5500UG 005U500 | 2 #22 PP FRPVC | U500 | 5 | GREEN, DARK | |
| 5500UG 006C1000 | 2 #22 PP FRPVC | C1000 | 7 | BLUE, LIGHT | |

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|-----------------|----------------|-------|-----|-------------|--|
| 5500UG 006C500 | 2 #22 PP FRPVC | C500 | 3.5 | BLUE, LIGHT | |
| 5500UG 006U500 | 2 #22 PP FRPVC | U500 | 5 | BLUE, LIGHT | |
| 5500UG 007C1000 | 2 #22 PP FRPVC | C1000 | 7 | VIOLET | |
| 5500UG 007C500 | 2 #22 PP FRPVC | C500 | 3.5 | VIOLET | |
| 5500UG 007U500 | 2 #22 PP FRPVC | U500 | 5 | VIOLET | |
| 5500UG 008C1000 | 2 #22 PP FRPVC | C1000 | 7 | GRAY | |
| 5500UG 008C500 | 2 #22 PP FRPVC | C500 | 3.5 | GRAY | |
| 5500UG 008U1000 | 2 #22 PP FRPVC | U1000 | 9 | GRAY | |
| 5500UG 008U500 | 2 #22 PP FRPVC | U500 | 5 | GRAY | |
| 5500UG 009C1000 | 2 #22 PP FRPVC | C1000 | 7 | WHITE | |
| 5500UG 009C500 | 2 #22 PP FRPVC | C500 | 3.5 | WHITE | |
| 5500UG 009U1000 | 2 #22 PP FRPVC | U1000 | 9 | WHITE | |
| 5500UG 009U500 | 2 #22 PP FRPVC | U500 | 5 | WHITE | |
| 5500UG 877U500 | 2 #22 PP FRPVC | U500 | 5 | NATURAL | |
| 5500UG U4FC1000 | 2 #22 PP FRPVC | C1000 | 7 | BEIGE U4F | |
| 5500UG U4FC500 | 2 #22 PP FRPVC | C500 | 3.5 | BEIGE U4F | |
| 5500UG U4FU500 | 2 #22 PP FRPVC | U500 | 5 | BEIGE U4F | |

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