


**Detailed Specifications &
Technical Data**



513945 Coax - New Generation®

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

Description:

Bare copper conductor, foam polyethylene insulation, bare copper braid shield. PVC jacket. Sequential footage marking every two feet.

SUITABLE APPLICATIONS:

| | |
|-----------------------|------------------------|
| Suitable Applications | Analog Video/CCTV Coax |
|-----------------------|------------------------|

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|--------------------|------------------|
| Number of Coax | 1 |
| RG Type | 11/U |
| Series Type | Series 11 |
| AWG | 14 |
| Stranding | Solid |
| Conductor Diameter | .064 in. |
| Conductor Material | BC - Bare Copper |

INSULATION:

| | |
|---------------------|--------------------------------------|
| Insulation Material | Gas-injected FPE - Foam Polyethylene |
| Insulation Diameter | .280 in. |

OUTER SHIELD:

| | |
|-------------------------|-----------------------------------|
| Outer Shield Type | Braid |
| Outer Shield Material | BC - Bare Copper/BC - Bare Copper |
| Outer Shield % Coverage | 95 % |

OUTER JACKET:

| | |
|-----------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .405 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|-----------------------------|-----------------|
| Operating Temperature Range | -30°C To +75°C |
| UL Temperature Rating | 75°C |
| Bulk Cable Weight | 82 lbs/1000 ft. |

Detailed Specifications & Technical Data



513945 Coax - New Generation®

| | |
|----------------------------------|----------|
| Max. Recommended Pulling Tension | 144 lbs. |
| Min. Bend Radius (Install) | 4 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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

FLAME TEST:

| | |
|------------------|-----|
| C(UL) Flame Test | FT1 |
|------------------|-----|

SUITABILITY:

| | |
|-----------------------|------------------|
| Suitability - Indoor | Yes |
| Suitability - Outdoor | Yes - Black Only |

PLENUM/NON-PLENUM:

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

ELECTRICAL CHARACTERISTICS:

| | |
|---|------------------|
| Nom. Characteristic Impedance | 75 Ohms |
| Nom. Inductance | .106 µH/ft |
| Nom. Capacitance Conductor to Shield | 16.1 pF/ft |
| Nominal Velocity of Propagation | 84 % |
| Nominal Delay | 1.21 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 2.6 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 1.2 Ohms/1000 ft |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | .17 |
| | 10 | | | .35 |
| | 50 | | | .90 |
| | 100 | | | 1.3 |
| | 200 | | | 1.9 |
| | 400 | | | 2.9 |
| | 700 | | | 4.1 |
| | 900 | | | 4.8 |
| | 1000 | | | 5.2 |

| | |
|-----------------------------|-----------|
| Max. Operating Voltage - UL | 600 V RMS |
|-----------------------------|-----------|

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|------|-------------|--------------|--------------------|--------------|-------|
|------|-------------|--------------|--------------------|--------------|-------|

**Detailed Specifications &
Technical Data**



513945 Coax - New Generation®

| | | | | | |
|----------------|-----------------------------|------|------|-------|---|
| 513945 0101000 | RG-11/U TYPE 75 OHM COAX | 1000 | 98 | BLACK | C |
| 513945 010500 | RG-11/U TYPE 75 OHM COAX | 500 | 49.5 | BLACK | |

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-22-2004

© 2003 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.