

9764 Coax - CATV Cable

 For more Information
 please call

1-800-Belden1

**General Description:**

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond Plus® + aluminum braid shield (75% coverage), polyethylene jacket (black or orange).

Physical Characteristics (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 14 | Solid | BCCS - Bare Copper Covered Steel | .064 |

Total Number of Conductors: 1
Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | .280 |

Outer Shield**Outer Shield Material:**

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Duobond® II | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100.000 |
| 2 | | Braid | AL - Aluminum | 75.000 |
| 3 | | Tape | Bonded Aluminum Foil-Polyester Tape w/Shorting Fold | 100.000 |

Outer Shield Flooding Grease: CoreGuard®
Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|-----------------------|
| PE - Polyethylene |

Overall Cable
Overall Nominal Diameter: 0.400 in.
Mechanical Characteristics (Overall)

| | |
|--|-----------------|
| Operating Temperature Range: | -55°C To +80°C |
| Non-UL Temperature Rating: | 80°C |
| Bulk Cable Weight: | 52 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 276 lbs. |
| Min. Bend Radius/Minor Axis: | 4 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---|-----|
| EU Directive 2011/65/EU (RoHS II): | Yes |
| EU CE Mark: | No |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |

| | |
|---------------------------------------|------------|
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
|---------------------------------------|------------|

| | |
|---------------------------------|-----|
| 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 |
|-----------------------------|-----|

| | |
|--------------|-----------|
| Series Type: | Series 11 |
|--------------|-----------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Burial: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

| |
|-----------------|
| Impedance (Ohm) |
|-----------------|

| |
|--------|
| 75.000 |
|--------|

Nom. Inductance:

| |
|--------------------|
| Inductance (μH/ft) |
|--------------------|

| |
|-------|
| 0.097 |
|-------|

Nom. Capacitance Conductor to Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
|---------------------|

| |
|------|
| 16.2 |
|------|

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
|--------|

| |
|----|
| 83 |
|----|

Nominal Delay:

| |
|---------------|
| Delay (ns/ft) |
|---------------|

| |
|-----|
| 1.2 |
|-----|

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

| |
|----|
| 11 |
|----|

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

| |
|-----|
| 3.8 |
|-----|

Max. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
|-------------|--------------------------|

| | |
|------|------|
| 5 | .38 |
| 55 | .97 |
| 211 | 1.81 |
| 270 | 2.05 |
| 300 | 2.15 |
| 350 | 2.32 |
| 400 | 2.47 |
| 450 | 2.65 |
| 550 | 2.94 |
| 750 | 3.5 |
| 870 | 3.84 |
| 1000 | 4.23 |

Max. Operating Voltage - Non-UL:

| |
|---------|
| Voltage |
|---------|

| |
|-----------|
| 300 V RMS |
|-----------|

Minimum Structural Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. SRL (dB) |
|-------------|-------------|-------------------|------------------|---------------|
|-------------|-------------|-------------------|------------------|---------------|

| | | | | |
|--|--|---|------|----|
| | | 5 | 1000 | 20 |
|--|--|---|------|----|

Notes (Overall)

Notes: Sweep tested 5 MHz to 1 GHz.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|---------------------------|
| 9764 0031000 | 1,000 FT | 59.000 LB | ORANGE | | #14 GIFHDLDPPE SH FS LDPE |
| 9764 0101000 | 1,000 FT | 59.000 LB | BLACK | | #14 GIFHDLDPPE SH FS LDPE |

Revision Number: 1 Revision Date: 10-16-2012

© 2013 Belden, Inc
All Rights Reserved.

Although 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.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.