

# Audio and Video Composite Camera Cable

## Overview



### Audio and Video Composite Camera Cables

Audio/video composite cables are used in camera cable applications requiring one or more coaxes for video and one or more shielded pairs for audio and power.

Applications for such cables include interconnect of remote field cameras for Electronic News Gathering (ENG), Electronic Field Production (EFP) and Closed Circuit Television (CCTV).

ENG cameras are used in shooting on-site News reports which may be live or recorded. EFP applications involve on-site recording of videos produced for companies or private enterprises (i.e., advertisement or training films).

The three most common audio/video configurations are one coax-one pair, one coax-three pair and two coax-three pair designs.

#### One Coax-One Pair

The most common use for cable of this design is the interconnection of cameras requiring one coax for the video connection to the camera and one pair for audio.

The audio pair may be connected either to the camera itself, to an audio junction box or directly into a microphone.

Another common application for this design is the connection of CCTV surveillance cameras where the coax is used for the video connection and the twisted pair to power the camera.

#### One Coax-Three Pair

This cable is used in camera applications requiring a coaxial video feed, one audio pair for a MIC hook-up, and two audio pairs for the Interrupted Feedback (IFB) connections to the camera person and talent (anchor). IFB is the audio feed(s) to the talent and camera person's headset which enables them to listen and receive information and directions from the news director as they make the recording.

#### Two Coax-Three Pair

Camera applications utilizing this design again utilize one coax for the camera video connection and three audio pairs for the MIC and IFB hook-ups. The additional coax can be used to provide video to a portable TV monitor so the talent can view him or herself as the report is being recorded.

### HDTV Fiber/Copper Composite Cable

Designed specifically for high-definition cameras, these composite cables can multiplex audio and video signals and power. The cables meet all the requirements of the SMPTE 311 standard developed by the Society of Motion Picture and Television Engineers (SMPTE). They are also compatible with industry standard SMPTE 304M connectors.

# Audio and Video Composite Camera Cable

SMPTE 311M HDTV Cables

Single-mode Fiber with Copper Conductors



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nominal Optical Attenuation (@1310nm) |       |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--------------------------------------|-----------------|----|------------------------------------|------------|----|---------------------------------------|-------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |                                      | Inch            | mm |                                    | Inch       | mm | dB/1000 Ft.                           | dB/km |

## 4 Power Conductors • SM Fiber w/24 and 20 AWG Stranded (7x32 and 19x32) TC Conductors • TC Braid Shield (95% Coverage)

### PVC Insulation • Black Belflex® Jacket

|  |              |         |      |        |       |       |                                          |      |      |                    |      |      |     |     |
|--|--------------|---------|------|--------|-------|-------|------------------------------------------|------|------|--------------------|------|------|-----|-----|
|  | <b>7804R</b> | NEC:    | 328  | 100.0  | 33.1  | 15.0  | (2) Fibers:                              | .035 | .89  | 36 AWG             | .362 | 9.20 | .14 | .45 |
|  |              | CMR     | 500  | 152.4  | 47.5  | 21.6  | SM/125μ/900μ                             |      |      | TC Braid           |      |      |     |     |
|  |              | CEC:    | 1000 | 304.8  | 96.0  | 43.5  | (core/clad/buffer)                       |      |      | 95% Shield         |      |      |     |     |
|  |              | CMG FT4 | 1640 | 500.0  | 152.5 | 69.2  | (2) Cond.:<br>24 AWG<br>(7x32)<br>.024"  | .050 | 1.27 | Coverage           |      |      |     |     |
|  |              |         | 3280 | 1000.0 | 314.9 | 142.8 | Tinned Copper<br>23.3Ω/M'<br>76.4Ω/km    |      |      | 2.9Ω/M'<br>9.5Ω/km |      |      |     |     |
|  |              |         |      |        |       |       | (4) Cond.:<br>20 AWG<br>(19x32)<br>.037" | .063 | 1.60 |                    |      |      |     |     |
|  |              |         |      |        |       |       | Tinned Copper<br>8.8Ω/M'<br>28.9Ω/km     |      |      |                    |      |      |     |     |

Plenum version and other conductor counts/diameters available by special order.

## 2 Power Conductors • SM Fiber^ w/24 and 16 AWG Stranded (7x32 and 65x34) TC Conductors • TC Braid Shield (95% Coverage)

### PVC Insulation • Black Belflex® Jacket

|  |              |         |      |        |       |       |                                          |      |      |                    |      |      |     |     |
|--|--------------|---------|------|--------|-------|-------|------------------------------------------|------|------|--------------------|------|------|-----|-----|
|  | <b>7804C</b> | NEC:    | 328  | 100.0  | 32.8  | 14.9  | (2) Breakout                             | .079 | 2.00 | 38 AWG             | .362 | 9.20 | .14 | .45 |
|  |              | CMR     | 500  | 152.4  | 49.0  | 22.2  | Fibers:                                  |      |      | TC Braid           |      |      |     |     |
|  |              | CEC:    | 1000 | 304.8  | 99.0  | 44.9  | SM/125μ/900μ                             |      |      | 95% Shield         |      |      |     |     |
|  |              | CMG FT4 | 1640 | 500.0  | 157.4 | 71.4  | (core/clad/buffer)                       |      |      | Coverage           |      |      |     |     |
|  |              |         | 3280 | 1000.0 | 324.7 | 147.3 | (2) Cond.:<br>24 AWG<br>(7x32)<br>.024"  | .050 | 1.27 | 2.8Ω/M'<br>9.2Ω/km |      |      |     |     |
|  |              |         |      |        |       |       | Tinned Copper<br>23.3Ω/M'<br>76.4Ω/km    |      |      |                    |      |      |     |     |
|  |              |         |      |        |       |       | (2) Cond.:<br>16 AWG<br>(65x34)<br>.059" | .093 | 2.36 |                    |      |      |     |     |
|  |              |         |      |        |       |       | Tinned Copper<br>4.3Ω/M'<br>14.1Ω/km     |      |      |                    |      |      |     |     |

Plenum version and other conductor counts/diameters available by special order.

▲Fibers and aramid fillers contained within a .008 in (2.0mm) diameter PVC breakout jacket.

DCR = DC Resistance • SM = Single-mode • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

**Composite Camera Cable**

Television Camera and CCTV Cables

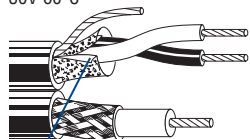
RG-59/U Type Coax with Shielded Twisted Pair(s)



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Overall Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--------------------------------------------------|-----------------|----|------------------------------------|--------------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |                                                  | Inch            | mm |                                    | Inch               | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**22 AWG** Stranded (7x30) Conductors • BC Coax w/BC Braid Shield (95% Coverage) • TC Twisted Pair w/Beldfoil® Shield (100% Cov.) + Drain Wire**Foam Polyethylene (Coax) and PVC (Pairs) Insulation • Black PVC Jacket**

|                                   |             |             |             |                |              |              |                                                                                 |                          |              |                                                                                                          |                   |                    |    |     |      |       |                           |                               |                                 |
|-----------------------------------|-------------|-------------|-------------|----------------|--------------|--------------|---------------------------------------------------------------------------------|--------------------------|--------------|----------------------------------------------------------------------------------------------------------|-------------------|--------------------|----|-----|------|-------|---------------------------|-------------------------------|---------------------------------|
| UL AWM<br>Style 20006<br>30V 60°C | <b>9265</b> | NEC:<br>CL2 | 500<br>1000 | 152.4<br>304.8 | 32.5<br>62.0 | 14.7<br>28.1 | (1) Coax:<br>22 AWG<br>(7x30)<br>.030" BC<br>15.0Ω/M'<br>49.2Ω/km               | .146<br>Coax OD:<br>.242 | 3.71<br>6.15 | BC<br>Braid<br>95% Shield<br>Coverage<br>2.6Ω/M'<br>8.5Ω/km                                              | .242<br>x<br>.470 | 6.15<br>x<br>11.94 | 75 | 78% | 17.3 | 56.8  | 1<br>5<br>10<br>50<br>100 | .3<br>.7<br>1.0<br>2.1<br>3.0 | 1.0<br>2.3<br>3.3<br>6.9<br>9.8 |
|                                   |             |             |             |                |              |              | (2) Cond:<br>22 AWG<br>(7x30)<br>.030" TC<br>15.0Ω/M'<br>49.2Ω/km<br>Black, Red | .054<br>Pair OD:<br>.112 | 1.37<br>2.84 | Pair:<br>Beldfoil<br>Shielded<br>100% Shield<br>Coverage w/<br>22 AWG Drain Wire<br>11.0Ω/M'<br>36.1Ω/km |                   |                    | 35 | 58% | 51.0 | 167.3 |                           |                               |                                 |

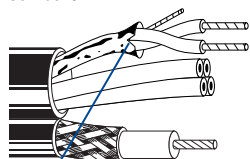


Z-Fold®

Siamese Type Construction

**22 AWG** Stranded (7x30) Conductors • BC Coax w/BC Braid Shield (95% Cov.) • (3) TC STP Individually Beldfoil Shielded (100% Cov.) w/Drain Wire**Foam Polyethylene (Coax) and PVC (Pairs) Insulation • Black PVC Jacket**

|                                   |             |              |             |                |              |              |                                                                                                                        |                          |              |                                                                                                                               |                   |                    |    |     |      |       |                                  |                                      |                                         |
|-----------------------------------|-------------|--------------|-------------|----------------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|----|-----|------|-------|----------------------------------|--------------------------------------|-----------------------------------------|
| UL AWM<br>Style 20006<br>30V 60°C | <b>9165</b> | NEC:<br>CL2X | 500<br>1000 | 152.4<br>304.8 | 50.0<br>94.0 | 22.7<br>42.7 | (1) Coax:<br>22 AWG<br>(7x30)<br>.030" BC<br>15.0Ω/M'<br>49.2Ω/km                                                      | .146<br>Coax OD:<br>.242 | 3.71<br>6.15 | BC<br>Braid<br>95% Shield<br>Coverage<br>2.6Ω/M'<br>8.5Ω/km                                                                   | .290<br>x<br>.561 | 7.37<br>x<br>14.25 | 75 | 78% | 17.3 | 56.8  | 1<br>5<br>10<br>50<br>100<br>400 | .3<br>.7<br>1.0<br>2.1<br>3.0<br>7.4 | 1.0<br>2.3<br>3.3<br>6.9<br>9.8<br>24.3 |
|                                   |             |              |             |                |              |              | (3) Pairs:<br>22 AWG<br>(7x30)<br>.030" TC<br>15.0Ω/M'<br>49.2Ω/km<br>Red & Black,<br>Orange & Brown,<br>Green & White | .054<br>Pair OD:<br>.116 | 1.37<br>2.95 | Each Pair:<br>Individually<br>Beldfoil<br>Shielded<br>100% Shield<br>Coverage w/<br>22 AWG Drain Wire<br>11.0Ω/M'<br>36.1Ω/km |                   |                    | 35 | 58% | 51.0 | 167.3 |                                  |                                      |                                         |



Z-Fold®

Siamese Type Construction

BC = Bare Copper • DCR = DC Resistance • STP = Shielded Twisted Pairs • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

# Composite Camera Cable

Audio and Video, ENG and EFP Cables

Multiple Coax with Shielded Twisted Pairs

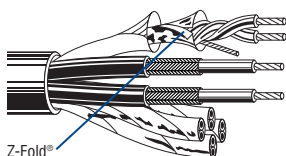


| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of<br>Prop. | Nominal<br>Capacitance |      | Nominal<br>Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--------------------------------------------------|--------------------|----|------------------------------------|------------|----|---------------------|-----------------------------|------------------------|------|------------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |                                                  | Inch               | mm |                                    | Inch       | mm |                     |                             | pF/Ft.                 | pF/m | MHz                    | dB/<br>100 Ft. | dB/<br>100m |

## 12-conductor EFP and ENG Camera Cable

### Foam Polyethylene (Coax) and Polypropylene (Pairs) Insulation • Overall Chrome PVC Jacket

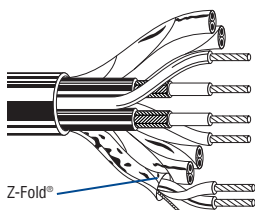
|      |      |   |      |       |       |      |                |      |      |             |      |       |    |     |      |      |     |      |      |
|------|------|---|------|-------|-------|------|----------------|------|------|-------------|------|-------|----|-----|------|------|-----|------|------|
| 75°C | 9170 | — | 1000 | 304.8 | 113.0 | 51.4 | (2) Coax:      | .100 | 2.54 | Each Coax:  | .490 | 12.45 | 75 | 78% | 17.3 | 56.8 | 1   | .4   | 1.3  |
| VW-1 |      |   |      |       |       |      | 25 AWG         |      |      | Coax OD:    |      |       |    |     |      |      | 10  | 1.5  | 4.9  |
|      |      |   |      |       |       |      | (7x33)         | .150 | 3.81 | TC          |      |       |    |     |      |      | 50  | 3.8  | 12.5 |
|      |      |   |      |       |       |      | .022" BC       |      |      | Braid       |      |       |    |     |      |      | 100 | 5.6  | 18.4 |
|      |      |   |      |       |       |      | 31.2Ω/M'       |      |      | 93% Shield  |      |       |    |     |      |      | 300 | 10.6 | 34.8 |
|      |      |   |      |       |       |      | 102.0Ω/km      |      |      | Coverage    |      |       |    |     |      |      | 500 | 13.8 | 45.3 |
|      |      |   |      |       |       |      | Black,         |      |      | 6.0Ω/M'     |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black with     |      |      | 19.7Ω/km    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Hash Marks     |      |      |             |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | (5) Pairs:     | .044 | 1.12 | Each Pair:  |      |       |    | 66% | 27.0 | 88.6 |     |      |      |
|      |      |   |      |       |       |      | 24 AWG         |      |      | Pair OD:    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | (7x32)         | .095 | 2.41 | Beldfoil®   |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | .024" TC       |      |      | Shielded    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | 24.0Ω/M'       |      |      | 100% Shield |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | 78.0Ω/km       |      |      | Coverage    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black & Red,   |      |      | with 24 AWG |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black & White, |      |      | Drain Wire  |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black & Green, |      |      | 18.0Ω/M'    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black & Blue,  |      |      | 59.1Ω/km    |      |       |    |     |      |      |     |      |      |
|      |      |   |      |       |       |      | Black & Yellow |      |      |             |      |       |    |     |      |      |     |      |      |



## 14-conductor EFP and ENG Camera Cable

### Foam Polyethylene (Coax) and PVC (Pairs and Conductors) Insulation • Overall Chrome PVC Jacket

|      |      |   |      |       |       |      |                |      |      |                |      |       |    |      |       |      |     |     |      |
|------|------|---|------|-------|-------|------|----------------|------|------|----------------|------|-------|----|------|-------|------|-----|-----|------|
| 75°C | 9171 | — | 500  | 152.4 | 97.5  | 44.3 | (2) Coax:      | .146 | 3.71 | Each Coax:     | .585 | 14.86 | 75 | 78%  | 17.3  | 56.8 | 1   | .3  | 1.0  |
|      |      |   | 1000 | 304.8 | 193.0 | 87.7 | 22 AWG         |      |      | Coax OD:       |      |       |    |      |       |      | 2   | .6  | 2.0  |
|      |      |   |      |       |       |      | (7x30)         | .242 | 6.15 | BC             |      |       |    |      |       |      | 10  | 1.0 | 3.3  |
|      |      |   |      |       |       |      | .030" BC       |      |      | Braid          |      |       |    |      |       |      | 50  | 2.3 | 7.5  |
|      |      |   |      |       |       |      | 15.0Ω/M'       |      |      | 95% Shield     |      |       |    |      |       |      | 100 | 3.2 | 10.5 |
|      |      |   |      |       |       |      | 49.2Ω/km       |      |      | Coverage       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black,         |      |      | 2.5Ω/M'        |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black with     |      |      | 8.6Ω/km        |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Hash Marks     |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | (5) Pairs:     | .054 | 1.37 | Each Pair:     |      |       |    | 51.0 | 167.3 |      |     |     |      |
|      |      |   |      |       |       |      | 22 AWG         |      |      | Pair OD:       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | (7x30)         | .110 | 2.79 | Beldfoil®      |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | .030" TC       |      |      | Shielded       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | 15.0Ω/M'       |      |      | 100% Shield    |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | 49.2Ω/km       |      |      | Coverage       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black & Red,   |      |      | with 22 AWG    |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black & White, |      |      | Drain Wire     |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black & Green, |      |      | 11.6Ω/M'       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black & Blue,  |      |      | 38.0Ω/km       |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black & Yellow |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | (2) Cond:      |      |      | Each Cond. OD: |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | 16 AWG         | .092 | 2.34 |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | (26x30)        |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | .060" TC       |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | 4.0Ω/M'        |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | 13.1Ω/km       |      |      |                |      |       |    |      |       |      |     |     |      |
|      |      |   |      |       |       |      | Black, White   |      |      |                |      |       |    |      |       |      |     |     |      |



BC = Bare Copper • DCR = DC Resistance • EFP = Electronic Field Production • ENG = Electronic News Gathering • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of cables not listed.

## Composite Camera Cable

### Television Camera and CCTV Cables



#### TPE TV Camera Cable

28-Conductor

##### Product Description

A 75 Ohm cable designed to remain flexible in cold weather. Recommended for transistorized TV cameras.

**(4) Conductors — 18 AWG:** (16x30) Tinned copper, PVC insulation, ring band stripe color coded. Beldfoil® shield wrapped around four conductors with stranded drain wire. Polyester tape over this shielded group (100% coverage).

**(21) Conductors — 22 AWG:** (7x30) Tinned copper, PVC insulation, cabled in three groups of seven, ring band stripe color coded. One group of seven has Beldfoil shield wrapped overall with drain wire. Polyester tape over this shielded group (100% coverage). Other two groups are unshielded.

**(3) 75 Ohm Coaxial Cables — 25 AWG:** (7x33) .021" (.53mm) bare copper-covered steel. Polyethylene insulation. Core OD .121" (3.07mm). Tinned copper braid shield (95% coverage) plus cotton braid. Coax OD .178" (4.52mm).

**Overall:** Tinned copper braid shield (85% coverage). Black thermoplastic elastomer jacket.

##### Specifications

|                                 |                             |
|---------------------------------|-----------------------------|
| <b>Conductor</b>                |                             |
| (25) Conductors                 | Tinned Copper               |
| (3) Coax                        | Bare Copper-covered Steel   |
| <b>Insulation</b>               |                             |
| Conductors                      | PVC                         |
| Coax                            | PE                          |
| <b>Shield</b>                   |                             |
| (4) 18 AWG Conductors           | Beldfoil + PE Tape          |
| (7) 22 AWG Conductors           | Beldfoil + PE Tape          |
| (14) 22 AWG Conductors          | Unshielded                  |
| (3) Coax                        | 95% TC Braid + Cotton Braid |
| Overall                         | 85% Tinned Copper Braid     |
| <b>Jacket</b>                   |                             |
| Black TPE                       |                             |
| <b>Nominal OD</b>               |                             |
| .730" (18.54mm)                 |                             |
| <b>Nominal Impedance (Coax)</b> |                             |
| 75Ω                             |                             |
| <b>Temperature Rating</b>       |                             |
| 80°C                            |                             |

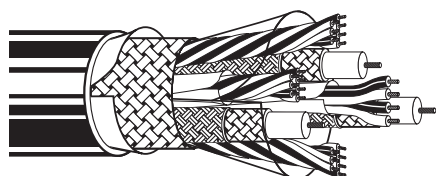
| Part No. | UL NEC/C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    |
|----------|-----------------------|------------------|---|----------------------|----|
|          |                       | Ft.              | m | Lbs.                 | kg |

#### TPE TV Camera

##### 28-conductor

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| 8286 | 500†  | 152.4 | 163.0 | 73.9  |
|      | 1000† | 304.8 | 323.0 | 146.5 |

† Spools are one piece, but length may vary -0% to +20% from length shown.



#### Remote Control and Video Cable

13-Conductor

##### Product Description

Recommended for use in installations requiring external drive signals, tallies, intercom, switching and video operations. UL recognized component (Style 2594). Passes VW-1 Vertical Wire Flame Test.

**(12) Conductors — 20 AWG:** (7x28) Tinned copper, PVC insulation, color coded.

**(1) 75 Ohm Coaxial — 22 AWG:** (7x30) .031" (.79mm) tinned copper. Foam polyethylene insulation. Core OD .146" (3.71mm). Bare copper braid shield (95% coverage). Black PVC jacket. Coax OD .208" (5.28mm).

**Overall:** Tinned copper braid shield (80% coverage). Gray PVC jacket.

##### Specifications

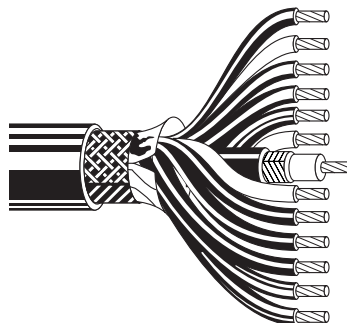
|                                 |                         |
|---------------------------------|-------------------------|
| <b>Conductor</b>                |                         |
| (12) Conductors                 | Tinned Copper           |
| (1) Coax                        | Tinned Copper           |
| <b>Insulation</b>               |                         |
| Conductors                      | PVC                     |
| Coax                            | Foam PE                 |
| <b>Shield</b>                   |                         |
| (12) Conductors                 | Unshielded              |
| (1) Coax                        | 95% Bare Copper Braid   |
| Overall                         | 80% Tinned Copper Braid |
| <b>Jacket</b>                   |                         |
| Gray PVC                        |                         |
| <b>Nominal OD</b>               |                         |
| .406" (11.70mm)                 |                         |
| <b>Nominal Impedance (Coax)</b> |                         |
| 75Ω                             |                         |
| <b>Temperature Rating</b>       |                         |
| 60°C/75°C (UL)                  |                         |
| <b>Approvals/Rating</b>         |                         |
| UL AWM Style                    | 2594                    |
| NEC Rating                      | CL2X                    |

| Part No. | UL NEC/C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    |
|----------|-----------------------|------------------|---|----------------------|----|
|          |                       | Ft.              | m | Lbs.                 | kg |

#### Remote Control and Video

##### 13-conductor

|      |      |      |       |       |      |
|------|------|------|-------|-------|------|
| 9262 | NEC  | 100  | 30.5  | 15.0  | 6.8  |
|      | CL2X | 1000 | 304.8 | 160.0 | 72.6 |



## Composite Camera Cable

### Television Camera and CCTV Cables



#### Audio and Video Composite Cable

3 Paired, RG-59U Type

##### Product Description

Recommended for Electronic News Gathering (ENG) applications.

**(3) Pairs — 22 AWG:** (7x30) Tinned copper, polypropylene insulation. Nominal insulated conductor OD .046" (1.17 mm). Individually Beldfoil® shielded with drain wire. PVC jacket, OD .125" (3.20mm). Jacket colors: Brown, Red and Orange. Nominal impedance: 50Ω. Nominal velocity of propagation: 66%. Nominal capacitance: 32 pF/ft. (105 pF/m)\*, 58 pF/ft. (191 pF/m)\*\*.

**(2) 75 Ohm Coaxial Cables — 25 AWG:** (7x33) .021" (.53mm) Bare copper. Foam polyethylene insulation. Nominal Core OD .100" (2.54mm). Duofoil® plus tinned copper braid shield (95% coverage). PVC Jacket OD .160" (4.06mm). Jacket colors: Red and Black. Nominal Impedance: 75Ω. Nominal velocity of propagation: 78%. Nominal capacitance: 17.3 pF/ft. (56.8 pF/m). Nominal attenuation value for respective frequencies:

|         |                 |              |
|---------|-----------------|--------------|
| 1 MHz   | .5 db/100 ft.   | 1.5 db/100m  |
| 5 MHz   | 1.1 db/100 ft.  | 3.6 db/100m  |
| 10 MHz  | 1.5 db/100 ft.  | 4.9 db/100m  |
| 50 MHz  | 3.2 db/100 ft.  | 10.5 db/100m |
| 100 MHz | 4.3 db/100 ft.  | 14.1 db/100m |
| 300 MHz | 10.6 db/100 ft. | 34.8 db/100m |
| 500 MHz | 13.8 db/100 ft. | 45.3 db/100m |

**Overall:** Matte Black PVC jacket.

##### Specifications

|                                 |                     |
|---------------------------------|---------------------|
| <b>Conductor</b>                |                     |
| (3) Pairs                       | Tinned Copper       |
| (2) Coax                        | Bare Copper         |
| <b>Insulation</b>               |                     |
| Pairs                           | Polypropylene       |
| Coax                            | Foam Polyethylene   |
| <b>Shield</b>                   |                     |
| (3) 22 AWG Pairs                | Beldfoil            |
| (2) Coax                        | Tinned Copper Braid |
| <b>Jacket</b>                   |                     |
| Matte Black PVC                 |                     |
| <b>Nominal OD</b>               |                     |
| .492" (12.50mm)                 |                     |
| <b>Nominal Impedance (Coax)</b> |                     |
| 75Ω                             |                     |

\*Capacitance between conductors.

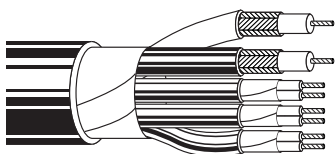
\*\*Capacitance between one conductor and other conductors connected to shield.

| Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    |
|----------|------------------------------|------------------|---|----------------------|----|
|          |                              | Ft.              | m | Lbs.                 | kg |

#### Audio and Video Composite Cable

##### RG-59/U Type • 3 Paired

|       |      |       |       |      |
|-------|------|-------|-------|------|
| 1263B | 500  | 152.4 | 58.5  | 26.6 |
|       | 1000 | 304.8 | 113.0 | 51.4 |



#### Camera Extension Cable

13-Conductor

##### Product Description

UL Recognized Component (Style 2497). Recommended for remote control, closed circuit and cue line applications.

Style 2497 is specified for the Dage 800 and other similar cameras. Passes VW-1 Vertical Wire Flame Test.

**(2) Conductors — 20 AWG:** (10x30) Tinned copper, PVC insulation, color coded, twisted pair, Mylar® tape wrapped.

**(9) Conductors — 22 AWG:** (7x30) Tinned copper, PVC insulation. (2) conductors cabled with Beldfoil shield. (2) conductors cabled, unshielded. (5) conductors unshielded.

**(2) 75 Ohm Coaxial Cables — 26 AWG:** (7x34) .019" (.48mm) bare copper-covered steel. Foam high-density polyethylene insulation. Core OD .088" (2.24mm). Tinned copper braid shield (95% coverage). PVC jacket, color coded. Coax OD .142" (3.61mm).

**Overall:** Tinned copper braid shield (85% coverage). Chrome PVC jacket.

##### Specifications

|                                 |  |                           |
|---------------------------------|--|---------------------------|
| <b>Conductor</b>                |  |                           |
| (11) Conductors                 |  | Tinned Copper             |
| (2) Coax                        |  | Bare Copper-covered Steel |
| <b>Insulation</b>               |  |                           |
| Conductors                      |  | PVC                       |
| Coax                            |  | Foam PE                   |
| <b>Shield</b>                   |  |                           |
| (7) Conductors                  |  | Unshielded                |
| (2) Conductors                  |  | Beldfoil                  |
| (2) Conductors                  |  | Mylar Tape                |
| (2) Coax                        |  | 95% Tinned Copper Braid   |
| Overall                         |  | 85% Tinned Copper Braid   |
| <b>Jacket</b>                   |  | Chrome PVC                |
| <b>Nominal OD</b>               |  | .550" (13.97mm)           |
| <b>Nominal Impedance (Coax)</b> |  | 75Ω                       |
| <b>Temperature Rating</b>       |  | 60°C                      |
| <b>Approvals/Rating</b>         |  |                           |
| UL AWM Style                    |  | 2497                      |
| NEC Rating                      |  | CL2X                      |

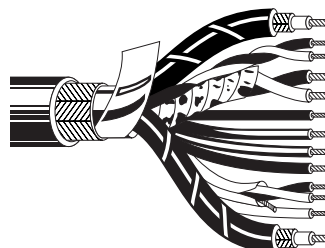
| Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    |
|----------|------------------------------|------------------|---|----------------------|----|
|          |                              | Ft.              | m | Lbs.                 | kg |

#### Camera Extension Cable

##### 13-conductor

|      |      |                   |       |       |      |
|------|------|-------------------|-------|-------|------|
| 9254 | NEC  | 250 <sup>†</sup>  | 30.5  | 45.5  | 20.7 |
|      | CL2X | 1000 <sup>†</sup> | 304.8 | 177.0 | 80.5 |

<sup>†</sup>Spools are one piece, but length may vary -0% to +20% from length shown.



Mylar is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**