

Coax Cable Assemblies

Video Cords


| Part No. | Gender | Standard Lengths | | Standard Unit Weight | | Cond. AWG (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. () | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | |
|----------|--------|------------------|---|----------------------|----|---|-----------------------|----|-----------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|
| | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. |

Brilliance Assemblies • 1505F HDTV/SDI • BNC, RCA or F Connectors on both ends • Superflex 75 Ohm broadcast quality assembled colored cable with two strain relief boosts

Digital video and HDTV run at higher frequencies and make better use of composite video for even greater picture clarity. To accommodate the need for higher frequency, and the ability to run more demanding applications such as high resolution VGA on large screens, HDTV, Hi-Res CAD, animation, editing and special effects, Belden uses the extremely popular 1505F which has the optimum design to meet these new high-end requirements. The Belden line includes high performance professional connectors with excellent connector pull strength and minimal signal loss. Perfect for patching, rack wiring, OB vans, satellite headends, CCTV, etc.

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Violet, Orange)

| | | | | | | | | | | | | | | | | |
|-------|------|------|------|------------|-------|------|------------|-------|------|----|-----|------|------|------|------|------|
| 1.6 | 0.5 | 0.18 | 0.08 | 22 AWG | 0.145 | 3.68 | Double | 0.242 | 6.15 | 75 | 80% | 17.0 | 55.7 | 1 | 0.2 | 0.7 |
| 3.3 | 1.0 | 0.26 | 0.12 | 0.79 mm | | | 95% TC | | | | | | | 3.6 | 0.5 | 1.6 |
| 6.6 | 2.0 | 0.43 | 0.19 | (7x29) BC | | | Braid | | | | | | | 10 | 0.9 | 2.9 |
| 9.8 | 3.0 | 0.59 | 0.27 | 47.8 /km* | | | 7.8 /km*** | | | | | | | 71.5 | 2.5 | 8.2 |
| 16.4 | 5.0 | 0.92 | 0.42 | 40.0 /km** | | | | | | | | | | 135 | 3.5 | 11.5 |
| 19.7 | 6.0 | 1.09 | 0.49 | | | | | | | | | | | 270 | 5.1 | 16.7 |
| 49.2 | 15.0 | 2.58 | 1.17 | | | | | | | | | | | 360 | 6.0 | 19.7 |
| 65.6 | 20.0 | 3.40 | 1.54 | | | | | | | | | | | 540 | 7.4 | 24.3 |
| 98.4 | 30.0 | 5.06 | 2.29 | | | | | | | | | | | 720 | 8.7 | 28.5 |
| 147.6 | 45.0 | 7.54 | 3.42 | | | | | | | | | | | 750 | 8.9 | 29.2 |
| | | | | | | | | | | | | | | 1000 | 10.5 | 34.4 |
| | | | | | | | | | | | | | | 1500 | 13.3 | 43.6 |
| | | | | | | | | | | | | | | 2250 | 16.9 | 55.4 |
| | | | | | | | | | | | | | | 3000 | 20.3 | 66.6 |



Return loss at 5-3000 MHz: 15 dB

1505F BNC-BNC • for Analog & Digital Video, Patchcords, CCTV, Satellite Uplink/Downlink, Telecom

| Length | Violet | Black | Red | Green | Blue | Yellow | White | Orange |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| CA00100... | 0.5 | 00C0D5 | 01C0D5 | 02C0D5 | 03C0D5 | 04C0D5 | 05C0D5 | 06C0D5 |
| | 1.0 | 00C1 | 01C1 | 02C1 | 03C1 | 04C1 | 05C1 | 06C1 |
| | 2.0 | 00C2 | 01C2 | 02C2 | 03C2 | 04C2 | 05C2 | 06C2 |
| | 3.0 | 00C3 | 01C3 | 02C3 | 03C3 | 04C3 | 05C3 | 06C3 |
| | 5.0 | 00C5 | 01C5 | 02C5 | 03C5 | 04C5 | 05C5 | 06C5 |
| | 6.0 | 00C6 | 01C6 | 02C6 | 03C6 | 04C6 | 05C6 | 06C6 |
| | 15.0 | 00C15 | 01C15 | 02C15 | 03C15 | 04C15 | 05C15 | 06C15 |
| Example Part No. CA0010000C0D5 = 1505F BNC-BNC, 0.5 m, violet | 20.0 | 00C20 | 01C20 | 02C20 | 03C20 | 04C20 | 05C20 | 06C20 |
| | 30.0 | 00C30 | 01C30 | 02C30 | 03C30 | 04C30 | 05C30 | 06C30 |
| | 45.0 | 00C45 | 01C45 | 02C45 | 03C45 | 04C45 | 05C45 | 06C45 |

1505F RCA-RCA • for Audio or Video, Projectors, Digital Audio (S/PDIF) Subwoofer, Analog Audio and Composite Video

| Length | Violet | Black | Red | Green | Blue | Yellow | White | Orange |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| CA00101... | 0.5 | 00C0D5 | 01C0D5 | 02C0D5 | 03C0D5 | 04C0D5 | 05C0D5 | 06C0D5 |
| | 1.0 | 00C1 | 01C1 | 02C1 | 03C1 | 04C1 | 05C1 | 06C1 |
| | 2.0 | 00C2 | 01C2 | 02C2 | 03C2 | 04C2 | 05C2 | 06C2 |
| | 3.0 | 00C3 | 01C3 | 02C3 | 03C3 | 04C3 | 05C3 | 06C3 |
| | 5.0 | 00C5 | 01C5 | 02C5 | 03C5 | 04C5 | 05C5 | 06C5 |
| | 6.0 | 00C6 | 01C6 | 02C6 | 03C6 | 04C6 | 05C6 | 06C6 |
| | 15.0 | 00C15 | 01C15 | 02C15 | 03C15 | 04C15 | 05C15 | 06C15 |
| Example Part No. CA0010100C0D5 = 1505F RCA-RCA, 0.5 m, violet | 20.0 | 00C20 | 01C20 | 02C20 | 03C20 | 04C20 | 05C20 | 06C20 |
| | 30.0 | 00C30 | 01C30 | 02C30 | 03C30 | 04C30 | 05C30 | 06C30 |
| | 45.0 | 00C45 | 01C45 | 02C45 | 03C45 | 04C45 | 05C45 | 06C45 |

1505F F-F • for Cable TV, Satellite and Antenna. The Brilliance Assemblies RF Video Cords can be Specially Ordered.

| Length | Violet | Black | Red | Green | Blue | Yellow | White | Orange |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| CA00102... | 0.5 | 00C0D5 | 01C0D5 | 02C0D5 | 03C0D5 | 04C0D5 | 05C0D5 | 06C0D5 |
| | 1.0 | 00C1 | 01C1 | 02C1 | 03C1 | 04C1 | 05C1 | 06C1 |
| | 2.0 | 00C2 | 01C2 | 02C2 | 03C2 | 04C2 | 05C2 | 06C2 |
| | 3.0 | 00C3 | 01C3 | 02C3 | 03C3 | 04C3 | 05C3 | 06C3 |
| | 5.0 | 00C5 | 01C5 | 02C5 | 03C5 | 04C5 | 05C5 | 06C5 |
| | 6.0 | 00C6 | 01C6 | 02C6 | 03C6 | 04C6 | 05C6 | 06C6 |
| | 15.0 | 00C15 | 01C15 | 02C15 | 03C15 | 04C15 | 05C15 | 06C15 |
| Example Part No. CA0010200C0D5 = 1505F F-F, 0.5 m, violet | 20.0 | 00C20 | 01C20 | 02C20 | 03C20 | 04C20 | 05C20 | 06C20 |
| | 30.0 | 00C30 | 01C30 | 02C30 | 03C30 | 04C30 | 05C30 | 06C30 |
| | 45.0 | 00C45 | 01C45 | 02C45 | 03C45 | 04C45 | 05C45 | 06C45 |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • M = Male • F = Female • TC = Tinned Copper • BC = Bare Copper

To comfortably support today's broadcast technology, Brilliance Assemblies can be specially ordered:

- for mobile television broadcast trucks with 179DT BNC-BNC (CA00103)
- as an economical version with 1855A BNC-BNC (CA00106)
- for long runs with 1505A BNC-BNC (CA00109)
- for longer runs with 1694A BNC-BNC (CA00112)

All these Brilliance Assemblies are available in 10 colors (1505A with 8 colors).

If you require a specific connector, you can choose from the following brands: ADC, Neutrik, Damar+Hagen, Telegaertner.

Recommended Color Schema:

| | |
|-------------------------------|--------------------|
| Red + Black | Analog audio |
| RGB (Red, Green, Blue) | Component video |
| Orange | Digital audio |
| Yellow | Composite video |
| Violet | Digital video/HDTV |

Coax Cable Assemblies

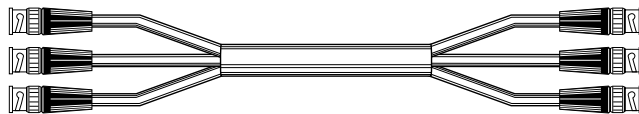
RGB Patch Cables

| Part No. | Gender | Standard Lengths | | Standard Unit Weight | | Cond. AWG (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. () | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|----------|--------|------------------|---|----------------------|----|---|-----------------------|----|-----------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|----------|
| | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m |

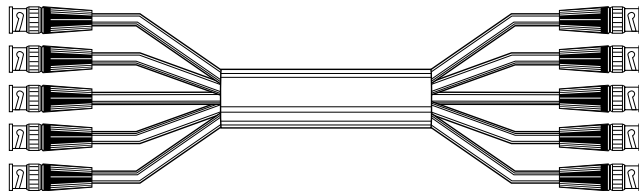
Brilliance Assemblies • 1277R (3-Coax) and 1279R (5-Coax) HDTV/SDI • 3 or 5 BNC Connectors on both ends • Flexible 75 Ohm broadcast quality assembled RGB cable with strain relief boots

RGB cables are used for component video formatted applications that segment the video signal into Red, Green and Blue elements, identified through use of corresponding cable jacket colors (RGB cables). Synchronization (Sync) and Vertical Hold (Hold) signals can be embedded within one of the elemental video components or they can be transmitted separately utilizing the 4th and 5th coaxes. When present, the 4th coax has a yellow jacket; the 5th coax has a black jacket. The outer jacket of the Belden line is stripped back 150 mm from both ends. The unique design of these cables also makes them ideal for multiple runs of composite video signals such as SDI or HDTV (video snake cable). The Belden lines are ideal for high-resolution monitor and projection imaging in corporate boardrooms, command and control centers, multi-purpose auditoriums, home theaters, performance venues, etc.

| Foam HDPE Insulation • Matte Black PVC Jacket | | | | | | | | | | | | | | | | | |
|---|---------|-------|------|------|------------|-------|----------|----------|-------|-------|----|-----|------|------|------|------|-------|
| CA00150 01C1 | BNC-BNC | 3.3 | 1.0 | 0.24 | 25 AWG | 0.092 | 2.33 | Duofoil® | 0.320 | 8.13 | 75 | 80% | 17.0 | 55.7 | 5 | 1.2 | 3.8 |
| CA00150 01C2 | | 6.6 | 2.0 | | 0.45 mm | | Coax OD: | 95% TC | 0.403 | 10.24 | | | | | 50 | 3.7 | 12.1 |
| CA00150 01C3 | | 9.8 | 3.0 | | (Solid) BC | 0.114 | 2.90 | Braid | | | | | | | 100 | 4.9 | 16.1 |
| CA00150 01C6 | | 19.7 | 6.0 | | | | | | | | | | | | 400 | 9.5 | 31.2 |
| CA00150 01C15 | | 49.2 | 15.0 | | | | | | | | | | | | 750 | 13.4 | 44.0 |
| CA00150 01C20 | | 65.6 | 20.0 | | | | | | | | | | | | 900 | 15.0 | 49.2 |
| CA00150 01C30 | | 98.4 | 30.0 | | | | | | | | | | | | 1000 | 15.8 | 51.8 |
| CA00150 01C45 | | 147.6 | 45.0 | | | | | | | | | | | | 3000 | 31.2 | 102.4 |



| Foam HDPE Insulation • Matte Black PVC Jacket | | | | | | | | | | | | | | | | | |
|---|---------|-------|------|--|------------|-------|----------|----------|-------|-------|----|-----|------|------|------|------|-------|
| CA00151 01C1 | BNC-BNC | 3.3 | 1.0 | | 25 AWG | 0.092 | 2.33 | Duofoil® | 0.320 | 8.13 | 75 | 80% | 17.0 | 55.7 | 5 | 1.2 | 3.8 |
| CA00151 01C2 | | 6.6 | 2.0 | | 0.45 mm | | Coax OD: | 95% TC | 0.403 | 10.24 | | | | | 50 | 3.7 | 12.1 |
| CA00151 01C3 | | 9.8 | 3.0 | | (Solid) BC | 0.114 | 2.90 | Braid | | | | | | | 100 | 4.9 | 16.1 |
| CA00151 01C6 | | 19.7 | 6.0 | | | | | | | | | | | | 400 | 9.5 | 31.2 |
| CA00151 01C15 | | 49.2 | 15.0 | | | | | | | | | | | | 750 | 13.4 | 44.0 |
| CA00151 01C20 | | 65.6 | 20.0 | | | | | | | | | | | | 900 | 15.0 | 49.2 |
| CA00151 01C30 | | 98.4 | 30.0 | | | | | | | | | | | | 1000 | 15.8 | 51.8 |
| CA00151 01C45 | | 147.6 | 45.0 | | | | | | | | | | | | 3000 | 31.2 | 102.4 |



* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • M = Male • F = Female • TC = Tinned Copper • BC = Bare Copper

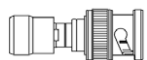
To comfortably support today's broadcast technology, Brilliance Assemblies can be specially ordered:

| | 3-Coax BNC-BNC | 5-Coax BNC-BNC |
|--|------------------|------------------|
| 1. same but Banana Peel® design | 1281S3 (CA00152) | 1281S5 (CA00153) |
| 2. as an economical version with 1855A | 7787A (CA00154) | 7789A (CA00155) |
| 3. for long runs with 1505A | 7794A (CA00156) | 7796A (CA00157) |
| 4. for longer runs with 1694A | 7710A (CA00158) | 7712A (CA00159) |

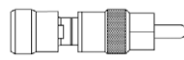
If you require a specific connector you can choose from the following brands: ADC, Neutrik, Damar+Hagen, Telegaertner.

Additional Accessories for 1277R-1279R and 1281S3-S5 One-Piece Connector

1B25A • 75-Ohm BNC (male)



1R25A • 75-Ohm RCA



Stripping and Compression Tool

HCST • Cable Prep Tool



HCCT • works with BNC, RCA and F Connectors



Coax Cable Assemblies

Triax Cables

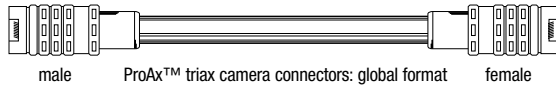
| Part No. | Gender | Standard Lengths | | Standard Unit Weight | | Cond. AWG (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. () | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | |
|----------|--------|------------------|---|----------------------|----|---|-----------------------|----|-----------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|
| | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. |

Brilliance Assemblies • 7783AF Triax 8 HDTV/SDI • ProAx™ Triax Camera Connectors: Global Format on both ends • Flexible 75 Ohm broadcast quality assembled Triax cable

The Belden triax lines are assembled with ADC's ProAx™ triaxial camera connectors. This combination will undoubtedly change your views of triaxial assemblies. ADC's patented ProAx™ triaxial camera connector has a two-piece center conductor offering several options. Key benefits include the ability to swap gender parts from male to female and vice versa in only a few seconds and the way mates can be swapped equally quickly with Kings, Lemo, Fischer and Damar+Hagen parts. The Belden lines are ideal for field use, sporting/live events, mobile trucks, stadiums, fixed wiring, TV/Studio production.

Foam Insulation • Red PVC Jacket

| | | | | | | | | | | | | | | | | | | |
|----------------|---------------|-----|-----|-------|-------|---------------|-------|------|-------------|-------|------|----|-----|------|------|-----|-----|------|
| CA00200 02C50 | Male - Female | 164 | 50 | 13.56 | 6.15 | 0.99 mm | 0.178 | 4.52 | 90% SPC | 0.331 | 8.40 | 75 | 83% | 16.5 | 54.0 | 1 | 0.2 | 0.6 |
| CA00200 02C100 | | 328 | 100 | 26.01 | 11.80 | 20 AWG | | | Braid | | | | | | | 10 | 0.7 | 2.2 |
| CA00200 02C150 | | 492 | 150 | 38.47 | 17.45 | (19x0.36) SPC | | | + 80% BC | | | | | | | 20 | 1.0 | 3.2 |
| CA00200 02C200 | | 656 | 200 | 50.93 | 23.10 | 32.0 /km* | | | Braid | | | | | | | 40 | 1.4 | 4.6 |
| CA00200 02C250 | | 820 | 250 | 63.38 | 28.75 | 22.0 /km** | | | 10.0 /km*** | | | | | | | 50 | 1.6 | 5.1 |
| | | | | | | | | | 6.5 mm | | | | | | | 60 | 1.7 | 5.6 |
| | | | | | | | | | | | | | | | | 100 | 2.3 | 7.5 |
| | | | | | | | | | | | | | | | | 300 | 4.2 | 13.8 |



Return loss at 1-100 MHz: 26 dB
100-300 MHz: 23 dB

Screening attenuation at 30-1000 MHz: 75 dB
Brilliance® Broadcast Assembly line can be specially ordered with mates for Kings, Lemo Redel F, Fischer SE & KE and Damar+Hagen.

Brilliance Assemblies • 7784AF Triax 11 HDTV/SDI • ProAx™ Triax Camera Connectors: Global Format on both ends • Flexible 75 Ohm broadcast quality assembled Triax cable

Foam Insulation • Red PVC Jacket

| | | | | | | | | | | | | | | | | | | |
|----------------|---------------|------|-----|--------|-------|---------------|-------|------|------------|-------|-------|----|-----|------|------|-----|-----|------|
| CA00201 02C50 | Male - Female | 164 | 50 | 20.17 | 9.15 | 1.4 mm | 0.256 | 6.50 | 90% SPC | 0.433 | 11.00 | 75 | 82% | 16.5 | 54.0 | 1 | 0.2 | 0.5 |
| CA00201 02C100 | | 328 | 100 | 39.24 | 17.80 | 16 AWG | | | Braid | | | | | | | 10 | 0.5 | 1.6 |
| CA00201 02C150 | | 492 | 150 | 58.31 | 26.45 | (19x0.28) SPC | | | + 80% BC | | | | | | | 20 | 0.7 | 2.3 |
| CA00201 02C200 | | 656 | 200 | 77.38 | 35.10 | 26.0 /km* | | | Braid | | | | | | | 40 | 1.0 | 3.3 |
| CA00201 02C500 | | 1640 | 500 | 191.80 | 87.00 | 18.0 /km** | | | 8.0 /km*** | | | | | | | 50 | 1.1 | 3.7 |
| | | | | | | | | | 8.5 mm | | | | | | | 60 | 1.3 | 4.1 |
| | | | | | | | | | | | | | | | | 100 | 1.6 | 5.4 |
| | | | | | | | | | | | | | | | | 300 | 3.1 | 10.3 |



Return loss at 1-100 MHz: 26 dB
100-300 MHz: 23 dB

Screening attenuation at 30-1000 MHz: 75 dB
Brilliance® Broadcast Assembly line can be specially ordered with mates for Kings, Lemo Redel F, Fischer SE & KE and Damar+Hagen.

Brilliance Assemblies • 7785A Triax 14 HDTV/SDI • ProAx™ Triax Camera Connectors: Global Format on both ends • Flexible 75 Ohm broadcast quality assembled Triax cable

Foam Insulation • Red PVC Jacket

| | | | | | | | | | | | | | | | | | | |
|-----------------|---------------|------|------|--------|--------|--------------|-------|------|------------|-------|-------|----|-----|------|------|-----|-----|-----|
| CA00202 02C50 | Male - Female | 164 | 50 | 30.31 | 13.75 | 2.21 mm | 0.382 | 9.70 | 90% SPC | 0.551 | 14.00 | 75 | 82% | 16.5 | 54.0 | 1 | 0.1 | 0.4 |
| CA00202 02C100 | | 328 | 100 | 59.52 | 27.00 | 12 AWG | | | Braid | | | | | | | 10 | 0.3 | 1.1 |
| CA00202 02C150 | | 492 | 150 | 88.74 | 40.25 | (7x0.75) SPC | | | + 80% BC | | | | | | | 20 | 0.5 | 1.6 |
| CA00202 02C200 | | 656 | 200 | 117.95 | 53.50 | 14.0 /km* | | | Braid | | | | | | | 40 | 0.7 | 2.3 |
| CA00202 02C500 | | 1640 | 500 | 293.21 | 133.00 | 10.0 /km** | | | 4.0 /km*** | | | | | | | 50 | 0.8 | 2.6 |
| CA00202 02C1000 | | 3280 | 1000 | 585.32 | 265.50 | | | | 12.7 mm | | | | | | | 60 | 0.9 | 2.8 |
| | | | | | | | | | | | | | | | | 100 | 1.2 | 3.8 |
| | | | | | | | | | | | | | | | | 300 | 2.3 | 7.7 |



Return loss at 5-850 MHz: 21 dB

Screening attenuation at 30-1000 MHz: 75 dB
Brilliance® Broadcast Assembly line can be specially ordered with mates for Kings, Lemo Redel F, Fischer SE & KE and Damar+Hagen

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • M = Male • F = Female • BC = Bare Copper • SPC = Silver-Plated Copper
ProAx™ is an ADC Krone trademark.

Twisted Pair and Fiber Optic Cable Assemblies

CatSnake™

| Part No. | Connector | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material Nom. DCR | Nominal OD | | Freq. MHz | Max. Atten. dB/100m | Min. PSUM | | | ACR dB/100m | Min. RL dB |
|----------|-----------|------------------|---|----------------------|----|---|-----------------------|----|-----------------------------|------------|----|-----------|---------------------|-----------|-------------|----------------|-------------|------------|
| | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | NEXT dB | ACR dB/100m | ELFEXT dB/100m | | |

Brilliance Assemblies • 1305A • Mobile Cat 5e • Neutrik EtherCon® Connectors • CatSnake™ is a new design from Belden and assembled with standard RJ45 connectors

The round PVC jacket provides durability and the cable ends are assembled with Neutrik's EtherCon®. This design was developed to provide a comprehensive solution for data transfer in harsh and demanding applications. CatSnake™ assembly is particularly suitable for Ethernet networking in commercial audio, concert sound reinforcement, stage production, DMX lighting and industrial internet access environments.

| 4 Bonded-pairs UTP • Black PVC Jacket | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----------|------|-----|-------|------|-----------|-------|------|-------------|-------|------|-------|------|------|------|------|------|------|
| CA00250 01C50 | EtherCon® | 164 | 50 | 11.02 | 5.0 | 0.51 mm | 0.037 | 0.95 | Bonded-Pair | 0.295 | 7.49 | 1 | 2.0 | 65.3 | 63.3 | 60.8 | 63.3 | 20.0 |
| CA00250 01C100 | | 328 | 100 | 19.84 | 9.0 | 24 AWG | | | Unshielded | | | 4 | 4.0 | 56.3 | 52.3 | 48.7 | 52.3 | 23.0 |
| CA00250 01C500 | | 1640 | 500 | 90.39 | 41.0 | (7x32) TC | | | | | | 10 | 6.4 | 50.3 | 43.9 | 40.8 | 43.9 | 25.0 |
| | | | | | | | | | | | | 16 | 8.1 | 47.3 | 39.1 | 36.7 | 39.1 | 25.0 |
| | | | | | | | | | | | | 20 | 9.2 | 45.8 | 35.2 | 34.7 | 35.2 | 25.0 |
| | | | | | | | | | | | | 31.25 | 11.2 | 42.9 | 31.3 | 30.9 | 31.3 | 23.6 |
| | | | | | | | | | | | | 62.5 | 16.8 | 38.4 | 21.6 | 24.8 | 21.6 | 21.9 |
| | | | | | | | | | | | | 100 | 21.7 | 35.3 | 17.1 | 20.8 | 17.1 | 20.1 |
| | | | | | | | | | | | | 155 | 27.7 | 32.5 | 4.7 | 16.9 | 4.7 | 19.0 |
| | | | | | | | | | | | | 200 | 32.0 | 30.8 | 3.0 | 14.7 | 3.0 | 19.0 |
| | | | | | | | | | | | | 310 | 41.3 | 27.9 | > 0 | 10.9 | > 0 | 18.0 |
| | | | | | | | | | | | | 350 | 44.3 | 27.2 | > 0 | 9.9 | > 0 | 17.0 |



Brilliance® Broadcast Assembly line can be specially ordered as CA00251 with only RJ-45.

Fiber Optic Assembly For HDTV Cameras (SMPTE 311)

| Part No. | Connector | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal OD | | Component | Description | Shielding Material & Nom. DCR | Component OD | | Nominal Attenuation | |
|----------|-----------|------------------|---|----------------------|----|---|------------|----|-----------|-------------|-------------------------------|--------------|----|---------------------|----------|
| | | ft. | m | lbs. | kg | | inch | mm | | | | inch | mm | dB/100 ft. | dB/100 m |

Brilliance Assemblies • 7804C • SMPTE 311M HDTV cable • Single-Mode Fiber with copper conductors • Lemo 3K.93C connectors

With the rise of high-definition video applications, such as 1080i and 720p, the bandwidth demands on camera cables has grown significantly. To meet these new requirements, Belden now offers (new generation) 7804C, which consists of dual single-mode fiber optic cables and copper components for power and data, and a special connector made by Lemo.

| Composite Cable: 2 Power Conductors • SM Fiber (24 AWG and 16 AWG) • Stranded TC Conductors • Black Belflex® Jacket | | | | | | | | | | | | | | | |
|---|---------------|------|------|--------|--------|---|-------|-----|----------------|-------------------------------|---------------------|---------|------|------|------|
| CA00270 01C100 | 2x3K.93C.TLMC | 328 | 100 | 64.82 | 29.40 | — | 0.362 | 9.2 | 2xFiber | (2) Breakout Fibers | 38 AWG TC Braid | 0.079 | 2.00 | 0.14 | 0.45 |
| CA00270 01C500 | | 1640 | 500 | 318.79 | 144.60 | | | | | SM/125µ/900µ core/clad/buffer | 95% Shield Coverage | 2.8 /m* | | | |
| CA00270 01C1.000 | | 3280 | 1000 | 636.25 | 288.60 | | | | | | 2.8 /m* 9.2 /km | | | | |
| | | | | | | | 0.362 | 9.2 | (2) Conductors | 24 AWG (7x32) TC | 95% Shield Coverage | 0.050 | 1.27 | 0.14 | 0.45 |
| | | | | | | | | | | 0.024" | 2.8 /m* 9.2 /km | | | | |
| | | | | | | | | | | 23.3 /m* 76.4 /km | 2.8 /m* 9.2 /km | | | | |
| | | | | | | | 0.362 | 9.2 | (2) Conductors | 16 AWG (65x34) TC | 95% Shield Coverage | 0.093 | 2.36 | 0.14 | 0.45 |
| | | | | | | | | | | 0.037" | 2.8 /m* 9.2 /km | | | | |
| | | | | | | | | | | 4.3 /m* 14.1 /km | 2.8 /m* 9.2 /km | | | | |



Brilliance® Broadcast Assembly line can be specially ordered as CA00271 with: Neutrik's OpticalCon® • Suitable for indoor studio and camera applications acc. IEC 60664-1 (Pollution degree 1, over voltage category 1), not compatible to SMPTE standard.

* DC loop resistance • DCR = DC resistance • TC = Tinned Copper

EtherCon® and OpticalCon® are Neutrik trademarks.