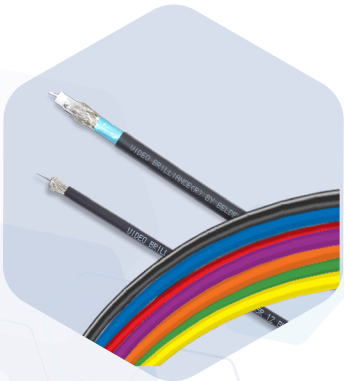


**Belden 12G-SDI coaxial solutions maximize 4K signal transmission distance on a single coax, minimizing weight and space compared to dual- or quad-link configurations.**



### BENEFITS

- 12G-SDI cables guaranteed 15dB RL limit from 4.5 to 12 GHz for 8-11 dB headroom against SMPTE limit
- Inner foil bonded to the core on 12G-SDI cables for easier installation with one-piece compression connectors
- One-piece compression connectors simplify and speed installation



### KEY APPLICATIONS

- SMPTE 2082-1 12G-SDI 4K D-Cinema, UHDTV1, UHDTV2
- SMPTE 2081-1 6G-SDI 4K D-Cinema, UHDTV1, UHDTV2
- Proven interoperability with leading chipset manufacturers

## 12G-SDI Coax Cables and Connectors

### Product Attributes

- Custom-drawn solid silver-plated copper conductor
- New custom mixed formula for gas-injected foam high-density polyethylene insulation
- PVC jacket
- 75 Ohms impedance
- UL rated CMR
- C(UL) CMG FT4

Type	AWG	Shield	Nominal OD		Part Number
			in	mm	
Mini RG-59	23	Foil + 95% TC Braid	0.16	4.04	<b>4855R</b>
RG-59	20	Foil + 95% TC Braid	0.23	5.92	<b>4505R</b>
RG-6	18	Foil + 95% TC Braid	0.27	6.96	<b>4694R</b>
Series 7	16	Foil + 95% TC Braid + Foil*	0.32	8.13	<b>4794R</b>
RG-11	14	Foil + 95% TC Braid + Foil*	0.40	10.16	<b>4731R</b>

Also available in pre-terminated, custom assemblies.  
Standard jacket colors: Black, Red, Orange, Green, Blue and Violet  
\*Outer foil bonded to jacket for easy stripping

### 12 GHz BNC CONNECTORS

#### 1-Piece Compression

Type	BNC Connector	Part Number	
		Compression Tool	Strip Tool
Mini RG-59	<b>4855RBUHD1</b>	<b>CPLCRBC-BR</b>	<b>PS59/6/RGB</b>
RG-59	<b>4505RBUHD1</b>	<b>CPLCRBC-BR</b>	<b>PSA59/6</b>
RG-6	<b>4694RBUHD1</b>		
Series 7	<b>4794RBUHD1</b>	<b>CPLCRBC1794</b>	<b>PS-11</b>

#### 3-Piece Crimp

Type	BNC Connector	Part Number	
		Crimp Tool	Strip Tool
Mini RG-59	<b>4855RBUHD3</b>		
RG-59	<b>4505RBUHD3</b>	<b>BB3PHCT</b>	<b>BB3PST</b>
RG-6	<b>4694RBUHD3</b>		
Series 7	<b>4794RBUHD3*</b>	-	-
RG-11	<b>4731RBUHD3*</b>	-	-

\*Use Kings crimp tool KTH-1000  
Kings die KTH-2260 for Series 7  
Kings die KTH-2004 for RG-11

# 6G-SDI Coax Cables and Connectors

## RISER

### Product Attributes

- Solid bare copper conductor
- Gas-injected foam high-density polyethylene insulation
- PVC jacket
- 75 Ohms impedance
- UL rated CMR
- C(UL) CMG FT4

Type	AWG	Shield	Nominal OD		Part Number
			in	mm	
Ultra-miniature	28.5	Foil + 95% TC Braid	0.10	2.54	<b>179DT</b>
Mini RG-59	23	Foil + 95% TC Braid	0.16	4.04	<b>1855A</b>
RG-59	20	Foil + 95% TC Braid	0.23	5.92	<b>1505A*</b>
RG-6	18	Foil + 95% TC Braid	0.27	6.96	<b>1694A*</b>
RG-6 Stadium	18	Foil + 95% TC Braid	0.28	7.11	<b>2694RW**</b>
Series 7	16	Foil + 95% TC Braid + Foil	0.32	8.13	<b>1794A</b>
RG-11	14	Foil + 95% TC Braid	0.40	10.16	<b>7731A</b>
RG-11 Stadium	14	Foil + 95% TC Braid	0.41	10.29	<b>2731RW**</b>

\*Flexible cables 1505F and 1694F rated to 6 GHz

\*\*Stadium cables are riser rated and water blocked

### Video Snake Cables

Individual Coax	Bundles						
	3	4	5	6	10	12	16
1855A	<b>7787A</b>	<b>7788A</b>	<b>7789A</b>	<b>7790A</b>	<b>7791A</b>	<b>7792A</b>	<b>2178A</b>
1505A	<b>7794A</b>	<b>7795A</b>	<b>7796A</b>	–	<b>7798A</b>	–	–
1694A	<b>7710A</b>	<b>7711A</b>	<b>7712A</b>	–	<b>7713A</b>	–	–
1794A	–	–	<b>2177A</b>	–	–	–	–

## PLENUM

### Product Attributes

- Solid bare copper conductor
- Gas-injected foam FEP insulation
- 75 Ohms impedance
- UL rated CMP
- C(UL) CMP FT6

Type	Jacket	AWG	Shield	Nominal OD		Part Number
				in	mm	
Mini RG-59	Flamarrest®	23	Foil + 95% TC Braid	0.16	4.04	<b>1855P</b>
RG-59	Flamarrest®	20	Foil + 95% TC Braid	0.20	4.98	<b>1506A</b>
RG-6	Flamarrest®	18	Foil + 95% TC Braid	0.23	5.82	<b>1695A</b>
RG-11	Fluorocopolymer	14	Foil + 95% TC Braid	0.35	8.84	<b>7732A</b>

## 6 GHz BNC CONNECTORS

### 1-Piece Compression

Type	BNC Connector	Part Number	
		Compression Tool	Strip Tool
Ultra-Miniature	<b>179DTBHD1</b>		
Mini RG-59	<b>1855ABHD1*</b>	<b>CPLCRBC-BR</b>	<b>PS59/6/RGB</b>
RG-59	<b>1505ABHD1</b>		
RG-6	<b>1694ABHD1</b>	<b>CPLCRBC-BR</b>	<b>PSA59/6</b>
Series 7	<b>1794ABHD1</b>	<b>CPLCRBC1794</b>	<b>PS-11</b>

\*This connector can be used with a plenum cable.

### 3-Piece Crimp

Type	BNC Connector	Part Number	
		Crimp Tool	Strip Tool
Ultra-Miniature	<b>179DTBHD3</b>		
Mini RG-59	<b>1855ABHD3*</b>	<b>BB3PHCT</b>	<b>BB3PST</b>
RG-59	<b>1505ABHD3*</b>		
RG-6	<b>1694ABHD3*</b>		

\*This connector can be used with a plenum cable.

To download our distance chart visit  
[info.belden.com/4k-coax](http://info.belden.com/4k-coax)  
 or call **1.800.BELDEN.1**