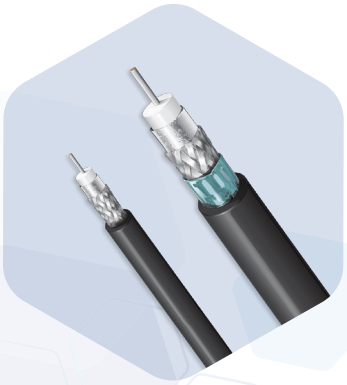
4K Ultra-High-Definition (UHD) Coax Cables and Connectors for 12G-SDI

Product Bulletin
PB00121



Belden 4K UHD Coax Cables for 12G-SDI maximize 4K signal transmission distance over a single coax, minimizing weight and space utilization compared to multi-link solutions. Full breadth of portfolio allows for flexibility in various applications and environments.

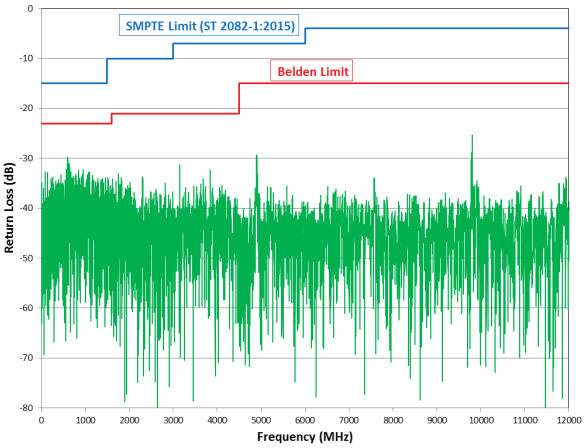
BENEFITS

- SMPTE ST 2082-1 12G-SDI 4K D-Cinema, UHDTV1, UHDTV2
- Significant cable headroom guarantees -15 dB return loss (RL) from 4.5 GHz to 12 GHz
- SMPTE ST 2081-1 6G-SDI 4K D-Cinema, UHDTV1, UHDTV2
- Backward compatible with earlier SMPTE standards
- Saves up to 75% in stocking, pulling and termination costs
- Pre-terminated assemblies are 100% tested for quality assurance

KEY APPLICATIONS

- Broadcast studios
- OB trucks
- Stadiums & venues
- Indoor/outdoor environments

4794R Return Loss



CABLE FEATURES

- Solid silver-plated copper conductors offer excellent RL and transmission of high-frequency signals
- Tri-shield on larger cables for maximum transmission distance
- Inner foil is bonded to the cable core for improved RL performance and connector installation

CONNECTOR FEATURES

- 1-piece compression, 3-piece crimp, locking or waterblocked
- Easy identification with colored connector bands
- Better gripping with patented design
- Properly seated center conductor with non-blind entry
- Excellent holding strength with internal 360 compression rings
- Locking BNC connectors maintain cable-to-connector alignment with screw-lock collars

To download our distance chart, visit
www.belden.de
or call **+49.202.980 79 54**

12G-SDI Coax Cables and Connectors

Cable Description	AWG	Part Number									
		Cable				1-Piece Compression			3-Piece Crimp		
		Riser	Plenum	CM	LSZH-CPR	BNC Connector	Compression Tool	Strip Tool	BNC Connector	Crimp Tool	Strip Tool
Mini RG-59	23	4855R	–	–	4855ANH 4855ELW	4855RBUHD1	CPLCRBC-BR	PS59/6/RGB	4855RBUHD3	BB3PHCT	PA1248ST
Mini RG-59 Plenum	23	–	4855P	–	–	–	–	–	4855RBUHD3	BB3PHCT	PA1248ST
RG-59	20	4505R	–	–	4505ANH	4505RBUHD1	CPLCRBC-BR	PSA/59/6	4505RBUHD3	BB3PHCT	PA1248ST
RG-59 Plenum	20	–	4505P	–	–	–	–	–	4505RBUHD3	BB3PHCT	PA1248ST
RG-6	18	4694R	4694P		4694ANH	4694RBUHD1	CPLCRBC-BR	PSA/59/6	4694RBUHD3	BB3PHCT	PA1248ST
RG-6 Flexible	18	–	–	4694F	–	–	–	–	4694RBUHD3	BB3PHCT	PA1248ST
Series 7	16	4794R	–	–	4794ANH 4794ELW	4794RBUHD1	CPLCRBC1794	PS11	4794RBUHD3	KTH-1000*; Die KTH-2010*	–
New! Series 7 Plenum	16	–	4794P	–	–	–	–	–	4794RBUHD3	KTH-1000*; Die KTH-2010*	–
RG-11	14	4731R	4731P	–	4731ANH	–	–	–	4731RBUHD3	KTH-1000*; Crimp Die Pin KTH-2010*; Crimp Die Sleeve KTH-2041*	–

Standard jacket colors: black, red, orange, green, blue and violet. Some cables also offered in white or yellow. *These tools are Kings-WIN® brand.

NEW 12G-SDI VideoFlex® Snake Cables

Cable Description	Individual Coax	Bundles						
		3	4	5	6	10	12	16
Mini RG-59	4855R	–	–	4855RX5	–	4855R10	–	4855R16
RG-59	4505R	–	–	4505RX5	–	–	–	–
RG-6	4694R	–	–	4694RX5	–	–	–	–
Series 7	4794R	–	–	4794RX5	–	–	–	–

6G-SDI VideoFlex® Snake Cables

Cable Description	Individual Coax	Bundles						
		3	4	5	6	10	12	16
Mini RG-59	1855A	7787A	7788A	7789A	7790A	7791A	7792A	2178A
RG-59	1505A	7794A	7795A	7796A	–	7798A	–	–
RG-6	1694A	7710A	7711A	7712A	–	7713A	–	–
Series 7	1794A	–	–	2177A	–	–	–	–

6G-SDI Coax Cables and Connectors

Cable Description	AWG	Part Number										
		Cable				1-Piece Compression				3-Piece Crimp		
		Riser	Plenum	CM	Non-UL	BNC Connector	BNC Locking Connector	Compression Tool	Strip Tool	BNC Connector	Crimp Tool	Strip Tool
Ultra-miniature	28.5	179DT	–	–	–	179DTBHD1	179DTBHDL	CPLCRBC-BR	PS59/6/RGB	179DTBHD3	BB3PHCT	PA1248ST
Mini RG-59	23	1855A	1855P	–	–	1855ABHD1	1855ABHDL	CPLCRBC-BR	PS59/6/RGB	1855ABHD3	BB3PHCT	PA1248ST
RG-59	20	1505A	–	–	–	1505ABHD1	1505ABHDL	CPLCRBC-BR	PSA/59/6	1505ABHD3	BB3PHCT	PA1248ST
RG-59 Plenum	20	–	1506A	–	–	1506ABHD1	1506ABHDL	CPLCRBC-BR	PSA/59/6	1505ABHD3	BB3PHCT	PA1248ST
RG-59 Flexible	20	–	–	1505F	–	–	–	–	–	1505ABHD3	BB3PHCT	PA1248ST
RG-6	18	1694A	–	–	–	1694ABHD1	1694ABHDL	CPLCRBC-BR	PSA/59/6	1694ABHD3	BB3PHCT	PA1248ST
RG-6 Plenum	18	–	1695A	–	–	1695ABHD1	1695ABHDL	CPLCRBC-BR	PSA/59/6	1694ABHD3	BB3PHCT	PA1248ST
RG-6 Flexible	18	–	–	1694F	–	–	–	–	–	1694ABHD3	BB3PHCT	PA1248ST
RG-6 Waterblocked	18	1694RW	–	–	1694WB	1694ABHD1	1694ABHDL or 1694ABHDLW	CPLCRBC-BR	PSA/59/6	1694ABHD3	BB3PHCT	PA1248ST
Series 7	16	1794A	–	–	–	1794ABHD1	–	CPLCRBC1794	PS11	4794RBUHD3	KTH-1000*; Die KTH-2010*	–
RG-11	14	7731A	7732A	–	–	–	–	–	–	4731RBUHD3	KTH-1000*; Crimp Die Pin KTH-2010* Crimp Die Sleeve KTH-2041*	–
RG-11 Waterblocked	14	7731RW	–	–	7731WB	–	–	–	–	4731RBUHD3	KTH-1000*; Crimp Die Pin KTH-2010* Crimp Die Sleeve KTH-2041*	–

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