J71 HD-SDI/3G-SDI & UHDTV Cables

Professional Broadcast Performance. Rugged Field Reliability



JAYCOR's HD SDI and UHD cables are engineered for demanding broadcast, production, and live event environments where perfect signal integrity isn't optional — it's mission critical. Built with industry leading Belden 1505A, 1505F and 1694F precision video coax, and fitted with high performance HD BNC connectors, these cables deliver unmatched durability, flexibility, and broadcast grade reliability in every deployment.

Uncompromised Video Performance

Whether you're transmitting 1080p HD SDI, 3G/6G SDI, or UHD signals, JAYCOR's Belden cables maintain flawless signal quality over long distances.

- Belden 1505F: Flexible HD coax ideal for portable use and dynamic field handling
- Belden 1505A: Solid Core HD coax ideal for fixed installations
- Belden 1694F: Felxible, the broadcast standard for ultra low loss UHD transmission

Both cable types ensure superb return loss, tight impedance control, and exceptional shielding to eliminate signal interruptions and EMI concerns.

Built for the field, designed for real world ruggedness:

- Heavy duty field with integrated cable management arms
- Portable, stable, and easy to deploy — even in high traffic event spaces
- Strain relieved terminations for long term durability
- Flexible outer jackets ideal for stage, OB truck, rental, or touring applications

J71 . 1505F . HDBNC - 45 BK

J71 - Cable assembly

Sheath Colour:

BK - Black
RD - Red
BU - Blue
GN - Green
OR - Orange

Length (m)

Cable type or series:

Belden 1505A, 1505F, 1694F

Connector types:

1505ABHD1, DB6BNCHD

Part Number	Cable type	Cable Length (m)	Application
J71.1505A.HDBNC-5,0BK	5m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	5	
J71.1505A.HDBNC-10BK	10m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	10	
J71.1505A.HDBNC-15BK	15m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	15	
J71.1505A.HDBNC-20BK	20m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	20	
J71.1505A.HDBNC-30BK	30m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	30	Fixed Installation
J71.1505A.HDBNC-50BK	50m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	50	
J71.1505A.HDBNC-65BK	65m 1505A BNC Patch Cable, D/3G-SDI, 4K UHDTV	65	
J71.1505A.HDBNC-75BK	75m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	75	
J71.1505A.HDBNC-100BK	100m 1505A BNC Patch Cable, HD/3G-SDI, 4K UHDTV	100	

Custom cable reels can be assembled to customer specifcations and lengths.

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Part Number	Cable type	Cable Length (m)	Application
J71.1505F.HDBNC-1,0BK	1m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	1	
J71.1505F.HDBNC-1,5BK	1,5m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	1.5	
J71.1505F.HDBNC-2,0BK	2m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	2	
J71.1505F.HDBNC-2,5BK	2.5m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	2.5	
J71.1505F.HDBNC-3,0BK	3m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	3	
J71.1505F.HDBNC-4,0BK	4m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	4	
J71.1505F.HDBNC-5,0BK	5m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	5	
J71.1505F.HDBNC-6,0BK	6m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	6	
J71.1505F.HDBNC-10BK	10m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	10	
J71.1505F.HDBNC-15BK	15m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	15	High flex indoor and outdoor broadcast
J71.1505F.HDBNC-20BK	20m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	20	
J71.1505F.HDBNC-25BK	25m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	25	
J71.1505F.HDBNC-30BK	30m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	30	
J71.1505F.HDBNC-35BK	35m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	35	
J71.1505F.HDBNC-40BK	40m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	40	
J71.1505F.HDBNC-45BK	45m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	45	
J71.1505F.HDBNC-50BK	50m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	50	
J71.1505F.HDBNC-60BK	60m 1505F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	60	
J71.1505F.HDBNC-70BK	70m 1505F BNC Patch Cable, HD/3G-SDI	70	
J71.1505F.HDBNC-100BK	100m 1505F BNC Patch Cable, HD/3G-SDI	100	
J71.1694F.HDBNC-10BK	10m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	10	High flex indoor and outdoor broadcast
J71.1694F.HDBNC-15BK	15m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	15	
J71.1694F.HDBNC-20BK	20m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	20	
J71.1694F.HDBNC-25BK	25m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	25	
J71.1694F.HDBNC-30BK	30m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	30	
J71.1694F.HDBNC-35BK	35m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	35	
J71.1694F.HDBNC-50BK	50m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	50	
J71.1694F.HDBNC-60BK	60m 1694F BNC Patch Cable, HD/3G-SDI, 4K UHDTV	60	
J71.1694F.HDBNC-80BK	80m 1694F BNC Patch Cable, HD/3G-SDI	80	
J71.1694F.HDBNC-100BK	100m 1694F BNC Patch Cable, HD/3G-SDI	100	

Custom cable reels can be assembled to customer specifcations and lengths.

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Transmission Distance at Serial Data Rates

Data Rate:	143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	1.5 Gb/s	3.0 Gb/s
Spec:	SMPTE ST 259	SMPTE ST 259	SMPTE ST 259	SMPTE ST 259	SMPTE ST 292	SMPTE ST 424
Application:	Composite SD-SDI (NTSC)	Composite SD-SDI (PAL)	Component SD-SDI	Widescreen SD-SDI	HD 1.5G-SDIw	HD 3G-SDI
Cable Part Number	m	m	m	m	m	m
179DT	168	153	127	111	36	25
1865A	209	191	155	134	41	27
1855A1	313	287	236	207	66	46
1855P	306	280	228	198	60	40
4855R2/4855ANH	325	295	244	212	67	47
4855P	297	270	221	192	59	40
1505A	457	421	344	297	93	65
1506A	418	384	310	269	80	53
1505F	369	333	263	224	68	46
4505R5/4505ANH	449	403	329	287	94	66
4505P	404	366	301	262	80	54
1694A6	563	512	419	367	112	78
1695A7	546	495	402	346	100	66
1694F	454	408	318	272	79	53
4694R8/4694ANH	535	490	407	357	117	82
4694P	519	468	384	334	100	66
4694F	523	467	373	320	96	65
1794A9	740	678	548	475	145	101
4794R10/4794ANH	680	623	523	461	151	105
4794P	654	590	479	412	119	78
7731A	851	796	637	560	177	119
7732A	824	751	595	504	141	88
4731R/4731ANH	861	784	649	567	182	126
4731P	794	714	583	502	143	92

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Transmission Distance at Serial Data Rates

Data Rate per Link:	3 Gb/s	6 Gb/s	12 Gb/s
Spec:	"SMPTE ST 425-4 (3Gb/s - stereo) ST 2081-1 (6 Gb/s - dual link) ST 2082-1 (12 Gb/s - quad) ST 2083-1 (24 Gb/s - octal link)1"	ST 2081-1 (6 Gb/s - single link) ST 2082-1 (12 Gb/s - dual link) ST 2083-1 (24 Gb/s - quad link)1	ST 2082-1 (12 Gb/s - single link) ST 2083-1 (24 Gb/s - dual link)1
Application:	UHDTV1, UHDTV2	UHDTV1, UHDTV2	UHDTV1, UHDTV2
Cable Part Number	m	m	m
179DT	50	35	
1865A	55		
1855A1	92	63	
1855P	80	53	
4855R2/4855ANH	94	66	45
4855P	80	54	36
1505A	130	87	
1506A	107	70	
1505F	91	60	
4505R5/4505ANH	132	92	63
4505P	108	72	47
1694A6	155	104	
1695A7	131	85	
1694F	106	69	
4694R8/4694ANH	164	114	78
4694P	132	87	57
4694F	130	87	56
1794A9	202	135	
4794R10/4794ANH	209	144	98
4794P	155	100	64
7731A	238	161	
7732A	176	113	
4731R/4731ANH	252	173	117
4731P	184	116	74

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