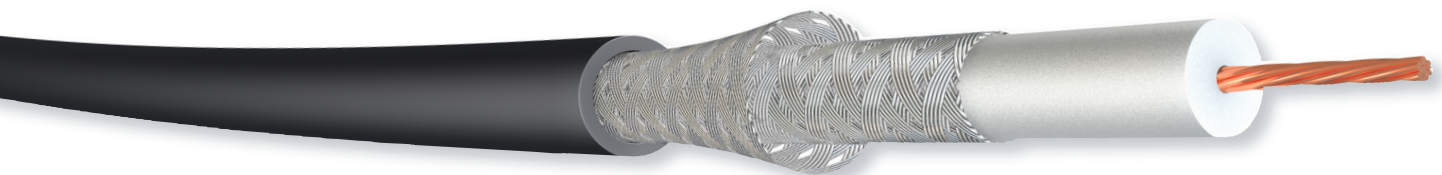


HD920-01 Stranded AES/EBU Digital Video Coax

Event[®] install

Event[®] studio



Application

Designed for HD/SD applications in outside broadcast vehicles, patch bays or field deployment, stranded centre conductor is used to optimise flexibility.

Cable Design

Inner Conductor..... Stranded Bare copper wire (19/7 AWG) Ø 1,10 mm
Insulation/Dielectric Foamed Polyethylene (PE) with skin Ø 4,60 mm
Shield 1° Tinned copper braid, 95% coverage
Shield 2° Tinned copper braid, 95% coverage
Outer Jacket..... LSZH FireFighter[®]



Mechanical & Thermal Characteristics

Permissible temperature range	Transport and fixed installation	-50 ~ +80 °C
Permissible temperature range	Installation and flexible use	-40 ~ +80 °C
Flame retardant		acc. to IEC 60332-3-24 (Cat. C)
Min. Bending radius allowed	repeated	10 x Ø
Min. Bending radius allowed	single	5 x Ø
Weight (approx.)		78 kg/km

HD920-01 Stranded AES/EBU Digital Video Coax

Electrical Data

Frequency		Attenuation		Frequency		Attenuation	
1.0	MHz	0,79	dB/100m	180	MHz	10,83	dB/100m
3.58	MHz	1,48	dB/100m	270	MHz	13,12	dB/100m
5	MHz	1,77	dB/100m	360	MHz	15,42	dB/100m
6	MHz	1,81	dB/100m	540	MHz	19,36	dB/100m
7	MHz	2,03	dB/100m	720	MHz	22,64	dB/100m
10	MHz	2,36	dB/100m	750	MHz	22,97	dB/100m
12	MHz	2,72	dB/100m	1000	MHz	26,90	dB/100m
25	MHz	3,87	dB/100m	1500	MHz	34,12	dB/100m
67,5	MHz	6,23	dB/100m	2000	MHz	40,36	dB/100m
71,5	MHz	6,56	dB/100m	2250	MHz	43,31	dB/100m
88,5	MHz	7,22	dB/100m	3000	MHz	51,18	dB/100m
100	MHz	7,87	dB/100m	4500	MHz	64,96	dB/100m
135	MHz	9,19	dB/100m	6000	MHz	74,50	dB/100m
143	MHz	9,52	dB/100m	-		-	

Return Loss

Frequency		dB	
5-850	MHz	20	dB
850-6000	MHz	15	dB

HD920 Maximum Transmission Distance Calculated - Metres

SMPTE ST 259				SMPTE ST 292	SMPTE ST 424	SMPTE ST		
143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	1.5 Gb/s	3.0 Gb/s	425.4 3 Gb/s	2081-1 6 Gb/s	2082-1 12 Gb/s
Composite NTSC	Composite PAL	Comp. 4:3 SD-SDI	Widescreen 16:9 SD-SDI	HD-SDI 1080i 1.5G-SDI	HDSDI 1080p 3G-SDI	UHDTV-1 UHD TV2		
454	408	318	272	79	59	106	69	54

HD920-01 Stranded AES/EBU Digital Video Coax

Specification

Cross Section	Part Number	Overall Diameter [mm]	Colour
	HD920-01	7,0 ± 0,50	Black