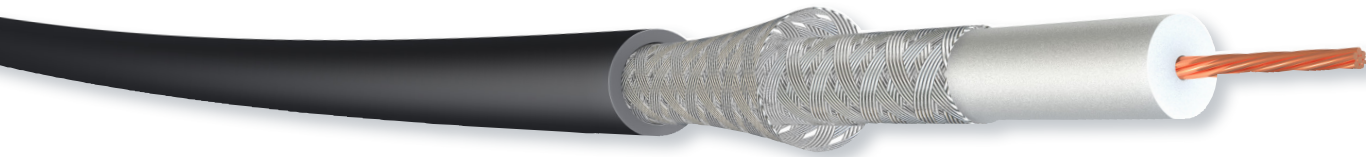


HD920F-01 Stranded AES/EBU Tactical Digital Video Coax

Event[®] **install**

Event[®] **studio**

Event[®] **tour**



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 (7/0,361 ± 0,005mm)
 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..... TPE



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 60332-1
Min. Bending radius allowed	repeated	10 x Ø
Min. Bending radius allowed	single	5 x Ø
Weight (approx.)		78 kg/km

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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

HD920F 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

*HD920F-01 Stranded AES/EBU
Tactical Digital Video Coax*

Specification

Cross Section	Part Number	Overall Diameter [mm]	Colour
	HD920F-01	7,0 ± 0,50	Black