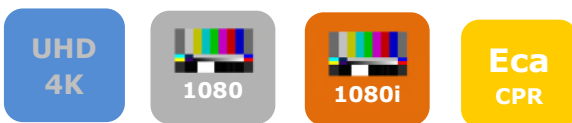


ULTRA HD PRO 100 UHD

Video Cable 75 Ω for installation



Application

Video cables are primarily used in closed circuit TV systems and in several studio applications for transmission of video content.

Standards

Designed for 12Gbit/s, 4K (SMPTE 2082), UHD, also for Composite, Component, SDI, SDV, SDTI HDTV (1080i, 720p, 1080p)

Flame resistance

FRNC: IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Inner conductor	solid copper wire, silvered, diameter 1.2 mm
Insulation	Foam-PE, diameter 4.9 mm
Outer conductor	Al-PET-Al-foil under tinned copper braid, diameter 5.7 mm
Sheath	PVC or FRNC, green, RAL 6018, diameter 7.0 mm
Printing	DRAKA ULTRA HD PRO 100 UHD SMPTE 292M, SMPTE 424M, 4K, 8K, 12G batch number and metermarking

ULTRA HD PRO 100 UHD

Electrical properties

at 20°C

DC resistance	Inner conductor	15 Ω/km
	Outer conductor	9 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω
Velocity ratio		78 %
Screening factor		≥ 100 dB
Temperature range		-30° to +75°C

Electrical data (nominal)

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
		50 – 300	≥ 26
1	1.8	300 – 3000	≥ 22
5	1.1	3000 – 3500	≥ 18
10	1.6	3500 – 6000	≥ 15
100	5.3	6000 - 12000	≥ 15
200	7.6		
300	9.3		
500	12.3		
800	15.8		
1000	17.4		
1500	22.0		
2000	25.6		
3000	31.0		
4000	38.0		
5000	41.0		
6000	44.7		
9000	54.7		
10000	57.7		
12000	63.2		
15000	70.7		

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
60055256	ULTRA HD PRO 100 UHD	63	1000	600/200/ 310	35	115	70	inside