

Koaxialkabel ULTRA HD PRO 100 UHD

Video Cable 75 Ω for installation



Application

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

Standards

Designed for 12Gbit/s, 4K, 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	FRNC, green, RAL 6018, diameter 7.0 mm
Printing	DRAKA ULTRA HD PRO 100 UHD SMPTE 292M, SMPTE 424M, 4K, 8K batch number and metermarking

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		\geq 100 dB
Temperature range		-30° to +75°C

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Koaxialkabel ULTRA HD PRO 100 UHD

Electrical data (nominal)

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
		50 - 300	≥ 26
1	1.6	300 - 3000	≥ 22
5	2.1	3000 - 3500	≥ 18
10	2.5	3500 - 6000	≥ 15
100	5.2		
200	6.9		
300	8.4		
500	10.8		
800	13.3		
1000	16.7		
1500	20.5		
2000	24.4		
3000	30.1		
4000	38.2		
5000	42.0		
6000	46.1		
9000	56.5		
10000	59.6		
12000	65.3		

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
60051852	ULTRA HD PRO 100 UHD	61	1000	600/200/ 310	35	115	70	inside

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Kabel-nenn-Ø	Kabel-gruppe*	Kabeltyp	Kabelmantel	Sachnummer
7	58	ULTRA HD PRO 100 UHD	FRNC	13-1162-1000

*siehe Kabeltabelle Koaxialkabel

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