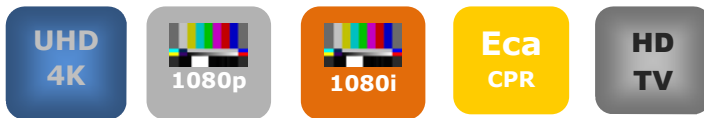


ULTRA HD PRO 50 UHD

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 0.7 mm
Insulation	Foam-PE, diameter 2.9 mm
Outer conductor	AL-PET-AL-foil under tinned copper braid
Sheath	PVC or FRNC, green RAL 6018, diameter 4.5mm
Sheath marking	DRAKA ULTRA HD PRO 50 UHD SMPTE 292M, SMPTE 424M, 4K, 8K, 12G batch number and metermarking

ULTRA HD PRO 50 UHD

Electrical properties

at 20°C

DC resistance	Inner conductor	46 Ω/km
	Outer conductor	20 Ω/km
Mutual capacitance		56 pF/m
Characteristic impedance		75 Ω
Velocity ratio		78 %
Screening factor		≥ 100dB
Temperature range		-30° to +75°C

Electrical data (nominal)

at 20°C

Frequency (MHz)	Attenuation (dB/100m)		Return loss (dB)	
			Frequency (MHz)	several peaks are allowed
1	2.4		50 - 300	> 26
5	2.2		300 - 3000	> 22
10	3.1		3000 - 3500	> 18
100	10.1		3500 - 6000	> 15
200	13.9		6000 - 12000	> 15
300	16.7			
500	22.0			
750	26.8			
800	28.0			
1000	31.2			
1500	39.1			
2000	45.4			
3000	55.6			
4000	65.7			
5000	72.8			
6000	81.0			
9000	99.2			
10000	104.6			
12000	114.6			
15000	128.1			

Technical data

Product code	Type	Weight kg/km	Standard delivery length m	Drum size PWD	Copper content	Tensile force N	Bending radius mm	Storage
60055255	ULTRA HD PRO 50 UHD	27.5	1000	400/120/ 280	14	60	45	inside

ULTRA HD PRO 50 UHD**Product Code Table**

Product Description	Product Code	PG Reference Code	PG Part Number