



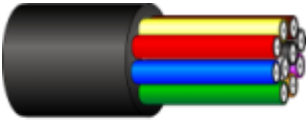
VIDEO & SOUND PROFESSIONAL BROADCAST

- Cables Audio & Vídeo • Conexiones • Conectores
- Accesorios • Soporte Técnico
- Equipos Comunicaciones por Fibra Óptica • Calidad Broadcast

VK 10065
0387

DIGITAL COAXIAL VIDEO
MULTICORE 2xRGBHV

Aplicaciones / Application



Cable video analógico/ digital para aplicaciones típicas de videoproyección/ informática, etc. De alta calidad. 2xRGBHV. Superflexible. Compuesto de cables VK 5/0.6



Analog/ Digital video cable for typical high quality applications of videoconferences, computing, etc. 2xRGBHV. Superflexible. It is compound of VK 5/0.6 cables.

Construcción / Construction

COMPOSICION/COMPOSITION:

1. 10 Cables VK 5/0.6: (Violet, Yellow, Blue, White, Green, Red, Black, Brown, Grey, Cream).

1.1 Conductor

Cu Ø 0,6mm (AWG 23)
UNE 21-011

1.2. Aislante / Insulation

Foam High Density FHDPE (GAS INJECTED)
Ø 2,8 mm
IEC 708

1.3. Pantallas / Shields (3 pantallas/ 3shields)

1.3.1 Primera Pantalla /First shield

100 % Al/ PET/Al PE H199

1.3.2 Segunda Pantalla /Second shield

95 % CuSn UNE 21-064

1.4. Cubierta externa / General Jacket:

Ø 4,5 mm
PTC UNE 21-031

Conectores recomendados / Suggested connectors: 5017-V

2. Cubierta General/General Jacket:

Ø 20,9 mm
PTC UNE 21-031



Colors: Black

Peso/Weight (Kg / Km) : 460

REVISION DATE: 22-06-2006



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Datos Técnicos / Data Sheet

Propiedades Eléctricas / Electrical Properties

Velocidad de Propagación/Velocity of propagation	%	81,3				
Retraso Nominal/Nominal Delay	ns/m	4,095				
Impedancia Nominal / Nominal Impedance	W	75±1 W				
Capacidad Nominal / Nominal Capacitance	PF/m	54,52				
Máxima tensión de trabajo/Max. Operation Voltage	V	300				
Inductancia nominal/ Nominal inductance	µH/m	0,3074				
Resistencia núcleo en DC/ Conductor DC resistance	W/Km	58,01				
Resistencia malla en DC/Shield DC resistance	W/Km	17,62				
ATENUACION/ATTENUATION:	Freq (Mhz)	dB/100m				
	1,003	- 1,111				
	5,430	- 2,593				
	24,886	- 5,396				
	81,242	- 8,958				
	120,288	- 10,697				
	163,896	- 12,369				
	211,261	- 14,022				
	270,032	- 15,912				
	540,028	- 22,885				
	720,50	- 26,581				
	1000	- 31,359				
	2000	- 46,40				
	3000	- 50,141				
Minimum STRUCTURAL RETURN LOSS (SRL)	Sweep	dB				
	5Mhz – 300Mhz	-24,01				
	300 Mhz- 650 Mhz	-20,13				
	650Mhz – 1100Mhz	-20,17				
SMITH CHART (300Khz-270Mhz)						
Frequency (Mhz)	8,62	85,33	116,565	162,49	223,09	266,46
Ohms (O)	75,58	75,34	74,38	74,81	75,59	74,47

Las especificaciones están sujetas a cambio sin previo aviso

Specifications subject to change without prior notice

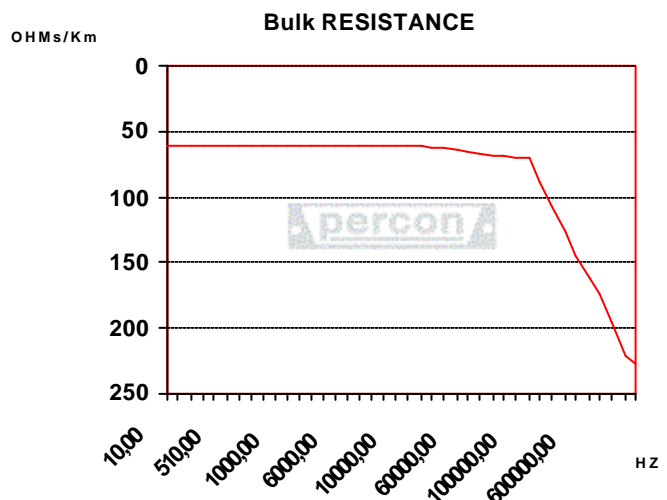
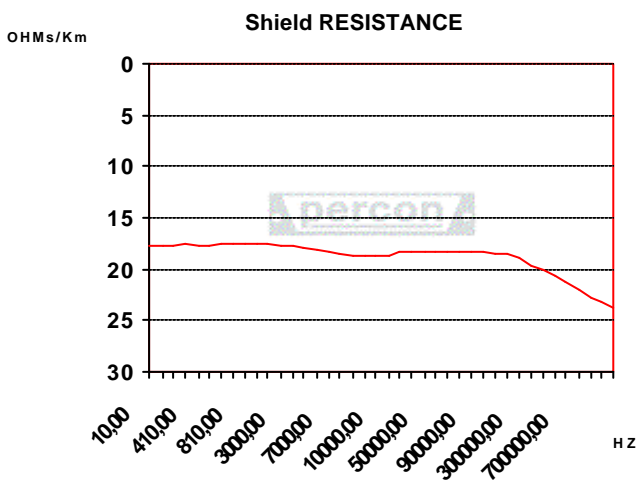
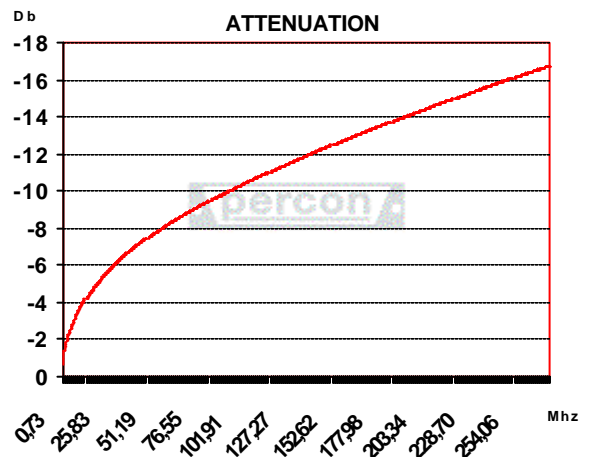
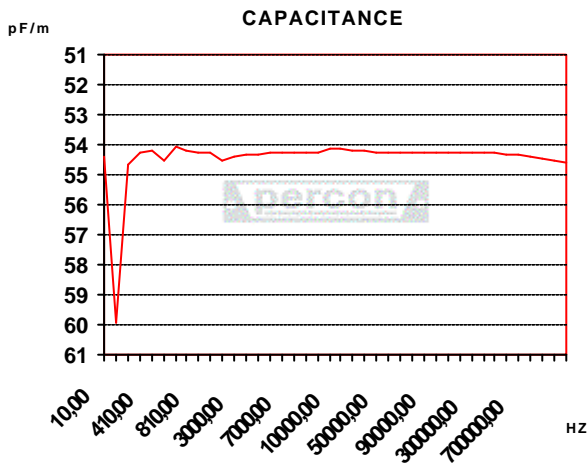
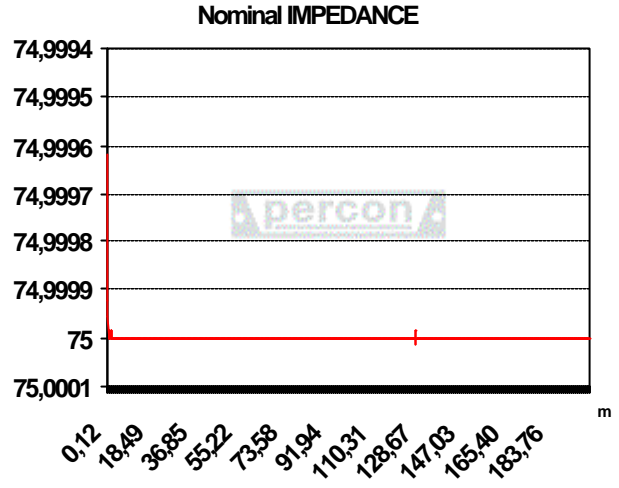
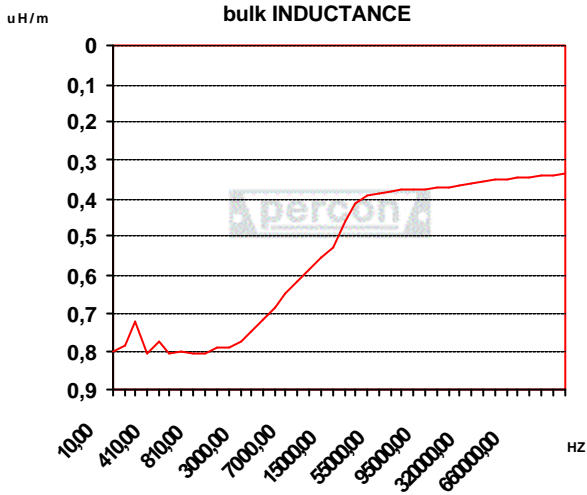


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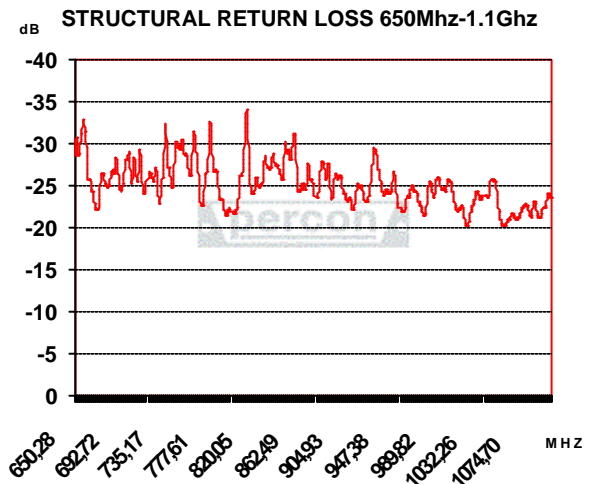
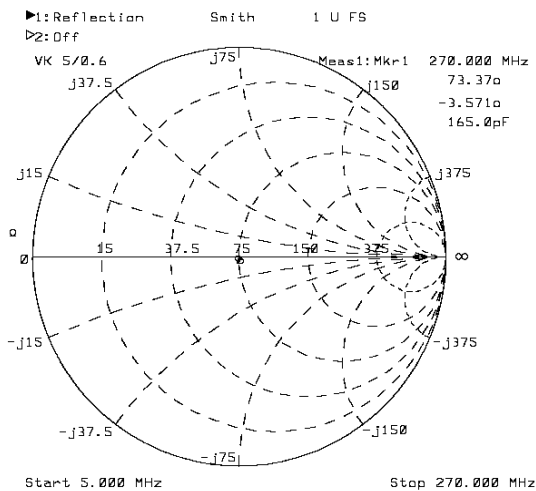
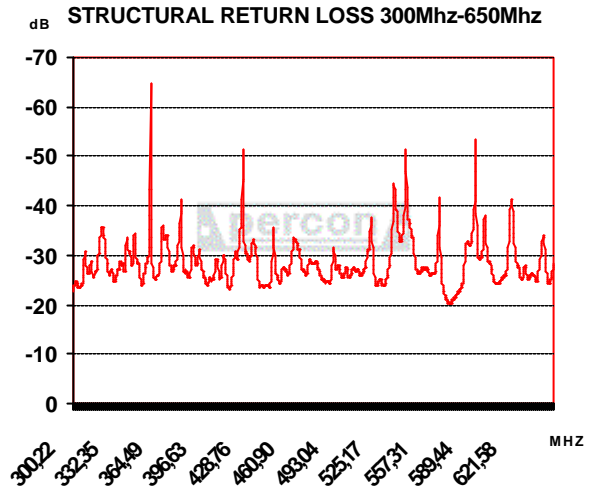
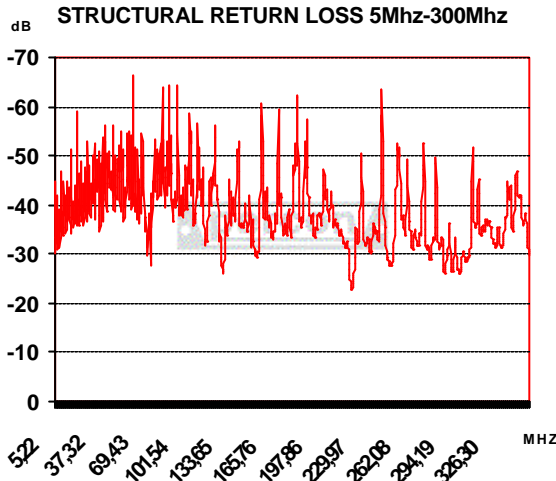


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Datos de aplicación / Application Data:
Formato digital / Digital format:

	MAXIMUM TRANSMISSION DISTANCE (meters) AT SERIAL DIGITAL DATA RATES (SDI)
71,5 Mhz/143 Mbps (SMPTE 259M, Composite NTSC)	335,57
88,5 Mhz /177 Mbps (ITU-R BT. 601, Composite PAL)	306,18
135 Mhz/270 Mbps (SMPTE 259M, Component video)	252,31
180 Mhz/360 Mbps (SMPTE 259M, widescreen)	220,42
270 Mhz/540 Mbps (SMPTE 344M, widescreen)	179,21
750 Mhz/1.5 Gbps (SMPTE 292M, HDTV)	61,95
750 Mhz/1.5 Gbps (SMPTE 292M, HDTV) con etapa equalizadora / with equalizer stage.	105

**WE SUGGEST TO USE ONLY 85% OF THE RECOMMENDED DISTANCE*

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DIGITAL COAXIAL VIDEO MULTICORE 2xRGBHV

Formato analógico / Analogue format:

	TRANSMISSION DISTANCE IN METERS OF ANALOGUE VIDEO SIGNAL WITH MINIMUM LOSSES (MAX -3 dB)
M-II (COMPONENT 5,0 Mhz BW)	110,29
EBC-C (COMPOSITE 5,5 Mhz BW)	104,16
BETACAM SP (COMPONENT 4,5 Mhz BW)	115,83
U-MATIC SP (COMPOSITE 4 Mhz BW)	121,9
S-VHS (COMPOSITE 5,0 Mhz BW)	110,29
ANALOG COMPONENT/RGB (5,0 Mhz BW)	110,29

**DISTANCE BASED UPON THE LIMIT FREQUENCY OF 5,5 Mhz, 5 Mhz, 4,5 Mhz AND 4 Mhz.*

Audio Formato digital / Digital Audio format (SMPTE 276M- unbalanced audio):

	MAXIMUM TRANSMISSION DISTANCE (meters) AT SERIAL DIGITAL AUDIO DATA RATES (AES3-1992)
DSR (Sampling Rate 32Khz/BW 4,096 Mhz)	871
CD/DVD (Sampling Rate 44,1 KHz/BW 5,6448 Mhz)	741
DAT (Sampling Rate 48 KHz/BW 6,144 Mhz)	701
DVD (Sampling Rate 96 KHz/BW 12,228 Mhz)	489
DVD (Sampling Rate 192 KHz/BW 24,576 Mhz)	356

[Pruebas de HDTV a 107 metros de VK 10065/
107 meters of VK 10065 under HDTV transmission:](#)

RATE NAME	BIT RATE	H FREQ / V FREQ
720 p 1280 x 720	1.485/1.001 (1.4835) Gbps	44.96Khz / 59.94Hz
720 p 1280 x 720	1.4850 Gbps	45.00Khz / 60.00Hz
1080i 1920 x 1080	1.4850/1.001 (1.4835) Gbps	33.72Khz / 29.97Hz
1080i 1920 x 1080	1.4850 Gbps	33.75Khz / 30.00Hz
1080p 1920 x 1080	1.4850 Gbps	33.75Khz / 30.00Hz
1080p 1920 x 1080	1.4850/1.001 (1.4835) Gbps	33.72Khz / 29.97Hz
1080p 1920 x 1080	1.4850 Gbps	27.00Khz / 24.00Hz
1080p(sf) 1920 x 1080	1.4850 Gbps	27.00Khz / 24.00Hz
1080p(sf) 1920 x 1080	1.4850/1.001 (1.4835) Gbps	26.97Khz / 23.98Hz

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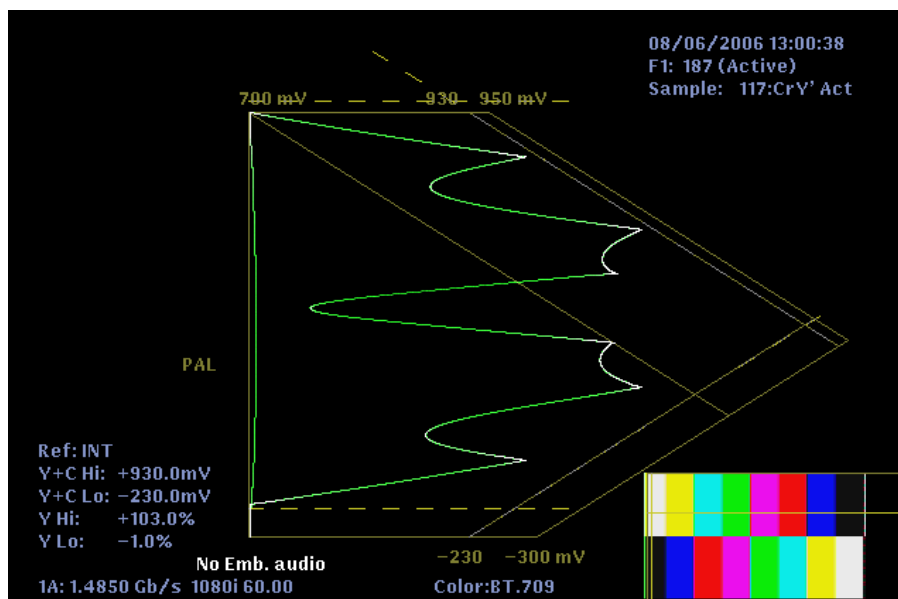
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Se utiliza un generador de señal de video de alta definición EXTRON VTG400D con una tensión de salida de pico a pico de 800 milivoltios ,una velocidad de datos de 1485Mbps o 1485/1001 Mbps, un jitter timing no superior a 1 UI (673 picosegundos) y un jitter alignment no superior a 0,2 UI (134,6 picosegundos) / We use an EXTRON VTG400D high definition video signal generator with an output peak -to-peak voltage of 800 millivolts, a data speed of 1485Mbps or 1485/1001 Mbps, a jitter timing under 1 UI (673 picoseconds) and a jitter alignment under 0,2 UI (134,6 picoseconds).

El receptor es un WFM700M de Tektronix / The receiver is WFM700M Tektronix

Video Status		Video Session – Running	
Input:	1A (WFM7M)	SMPTE 292 CRC:	
Changed since reset:	No	Y Errored Seconds:	0
Signal:	1.4850 Gb/s	Y Errored Fields:	0
Format Exp:	Any Supported	Y % Errored Fields:	0.00%
Format Det:	1080i 60.00	Y Status:	OK
Colorimetry:	BT.709 (AUTO)	C Errored Seconds:	0
Embedded Audio:	No Emb. audio	C Errored Fields:	0
Ancillary Data:	None	C % Errored Fields:	0.00%
Active Video Width:	10 bits	C Status:	OK
Timecode:	None	RGB Errored Seconds:	0
Selected Ref:	INT	RGB Errored Fields:	0
Ref Format:	N/A	RGB % Errored Fields:	0.00%
CC:	Missing	RGB Gamut Status:	OK
Y Stuck Bits:	-----	Y+C Errored Seconds:	0
C Stuck Bits:	-----	Y+C Errored Fields:	0
Y Errored Lines:	0	Y+C % Errored Fields:	0.00%
C Errored Lines:	0	Y+C Gamut Status:	OK
Time since reset:	0:00:24:36	Luma Errored Seconds:	0
		Luma Errored Fields:	0
		Luma % Errored Fields:	0.00%
		Luma Gamut Status:	OK

Errores en tx. de señal de video / Video session errors.



Gamut Arrowhead.

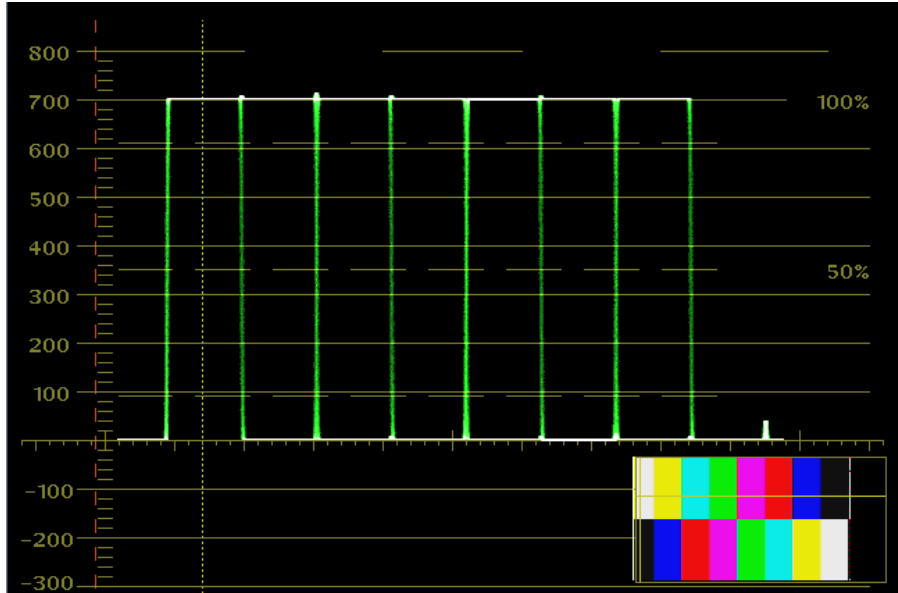


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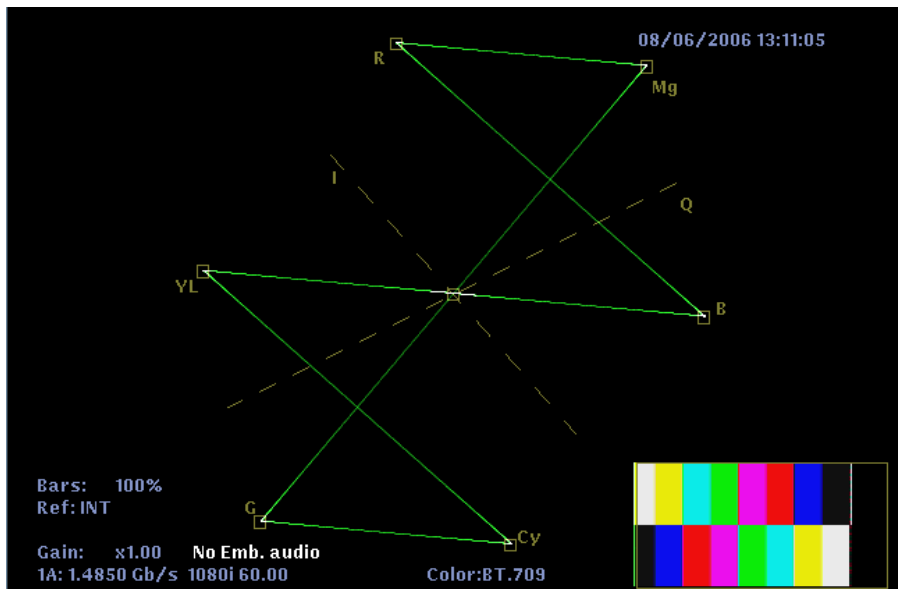
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For ma de onda / Waveform.



Vector.