



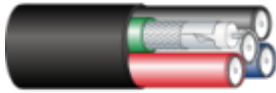
VIDEO & SOUND PROFESSIONAL BROADCAST

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

VK 5065
0381

DIGITAL COAXIAL VIDEO MULTICORE RGBHV

Aplicaciones / Application



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



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

Construcción / Construction

COMPOSICION/COMPOSITION:

1. 5 Cables VK 5/0.6: (Blue, Green, Red, Black, White).

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 14,1 mm
PTC UNE 21-031



Colors: Black

Peso/Weight (Kg / Km) : 247

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

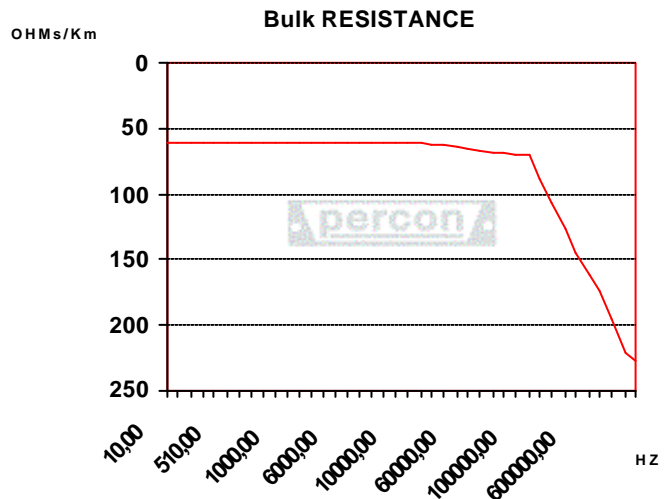
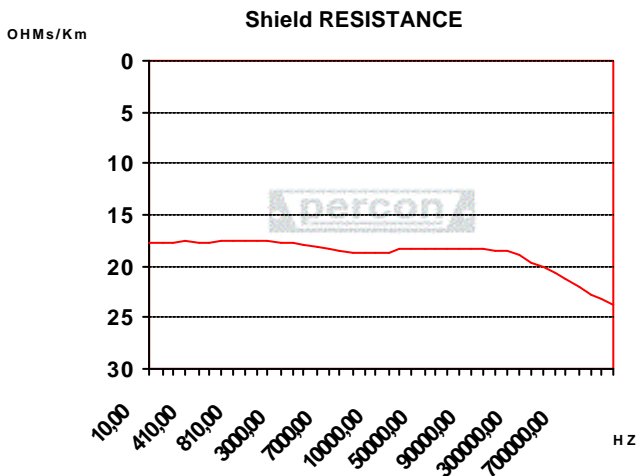
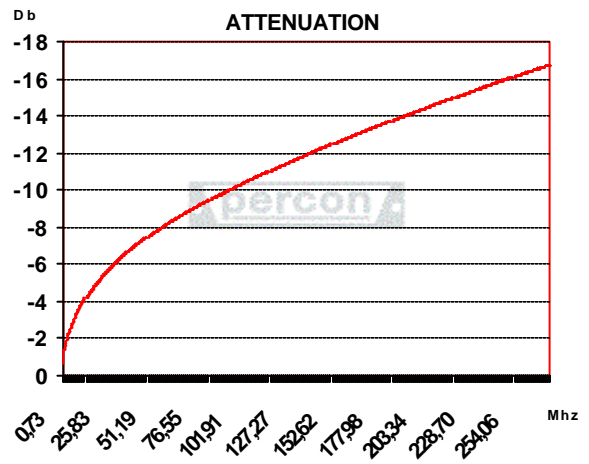
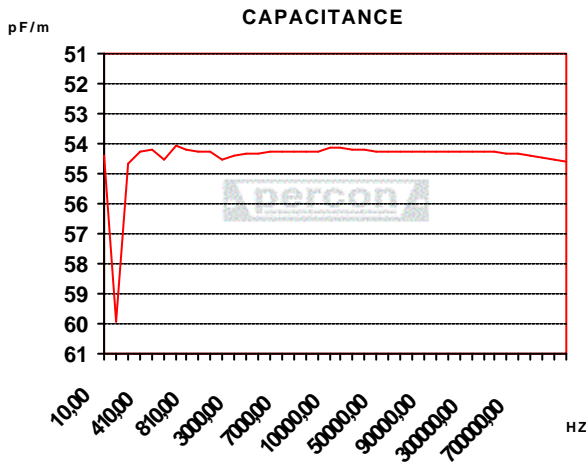
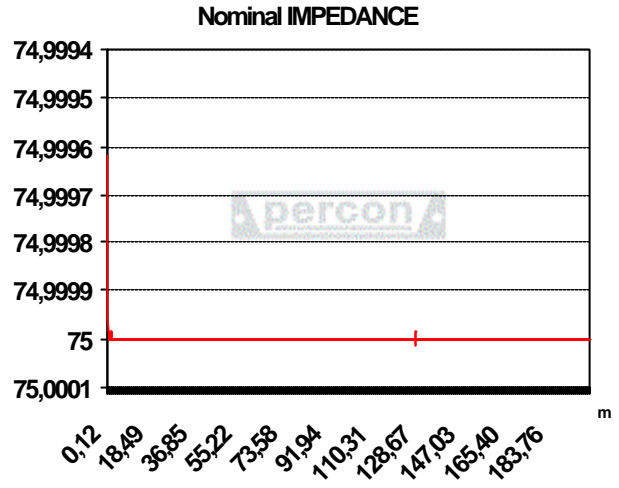
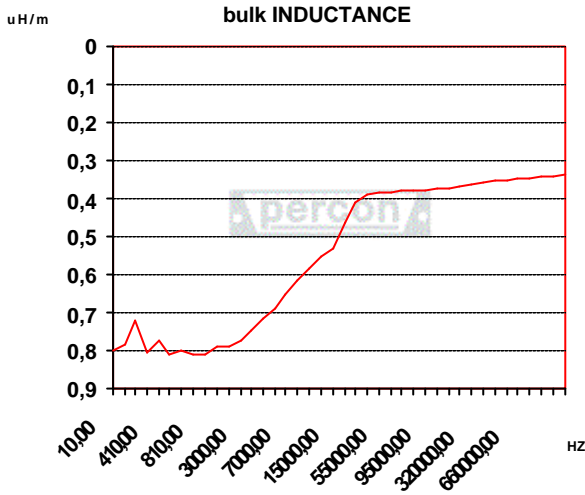


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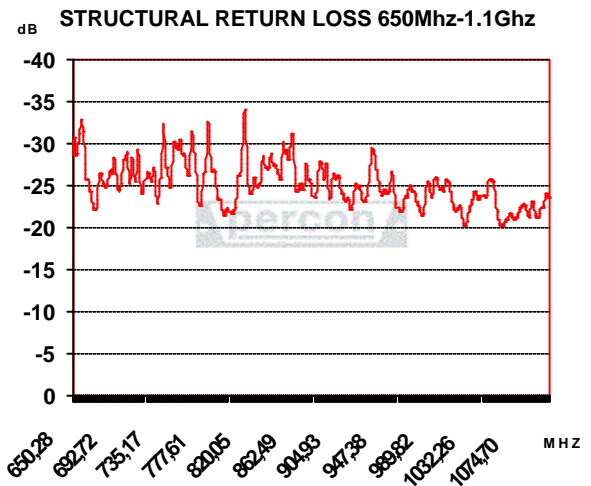
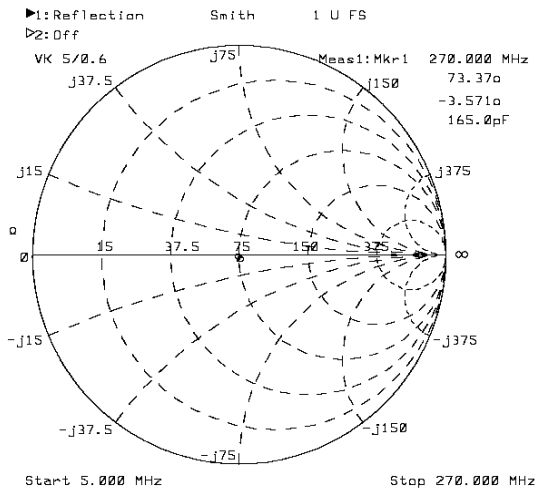
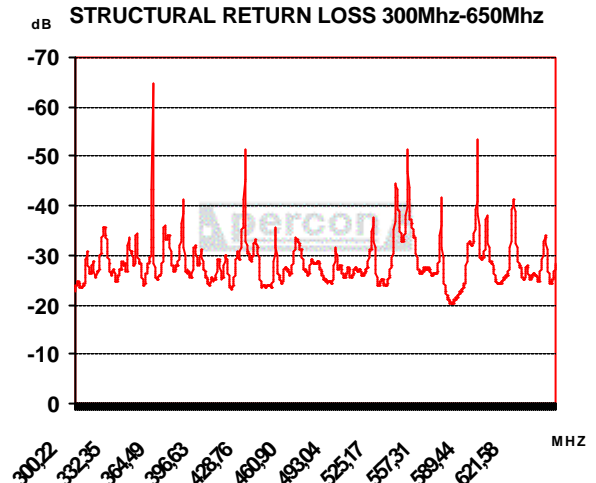
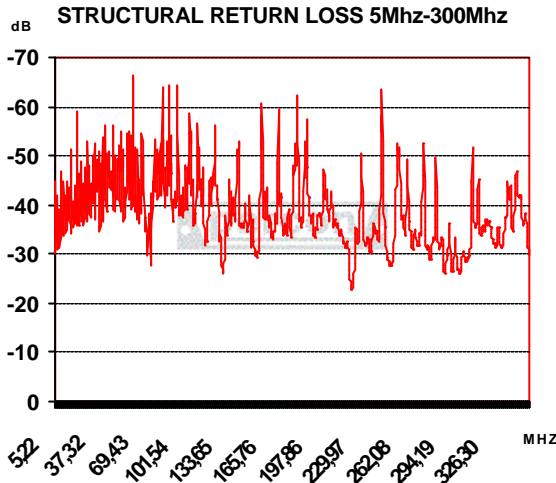


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Datos de aplicación / Application Data:
Formato digital / Digital format:

| | 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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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 5065/
107 meters of VK 5065 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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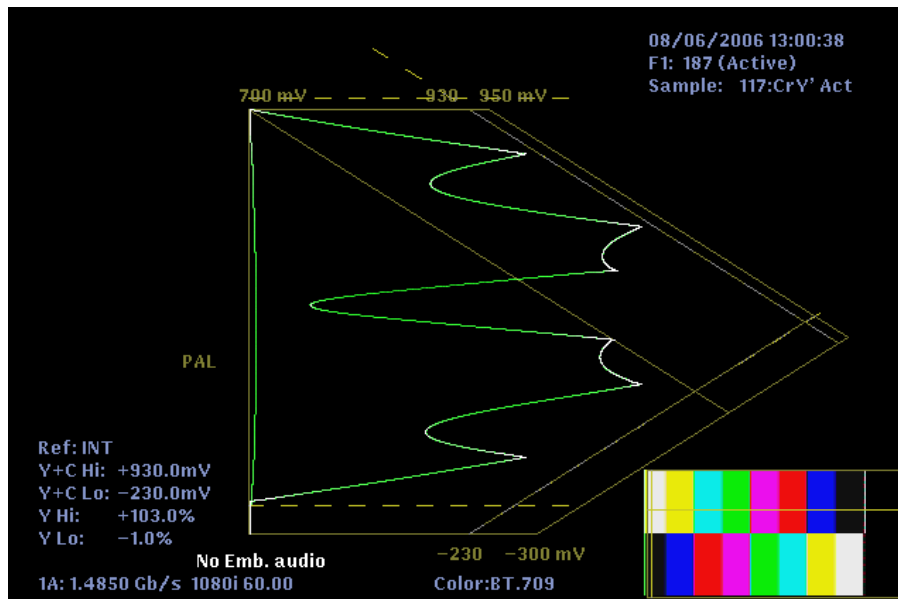
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Se utiliza un generador de señal de video de alta definición EXTRON VTG400D con una tensión de salida de pico a pico de 800 milivoltios ,una velocidad de datos de 1485Mbps o 1485/1001 Mbps, un jitter timing no superior a 1 UI (673 picosegundos) y un 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.

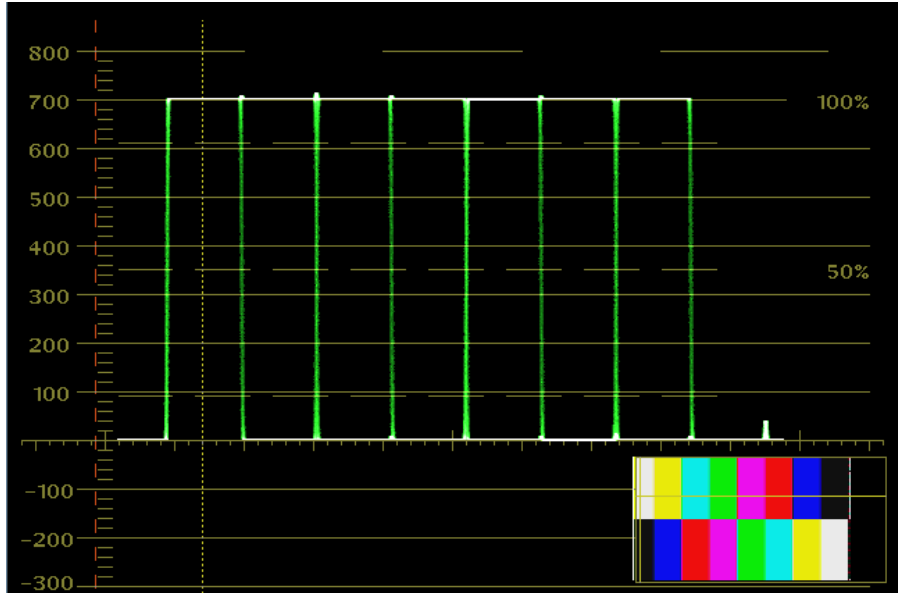


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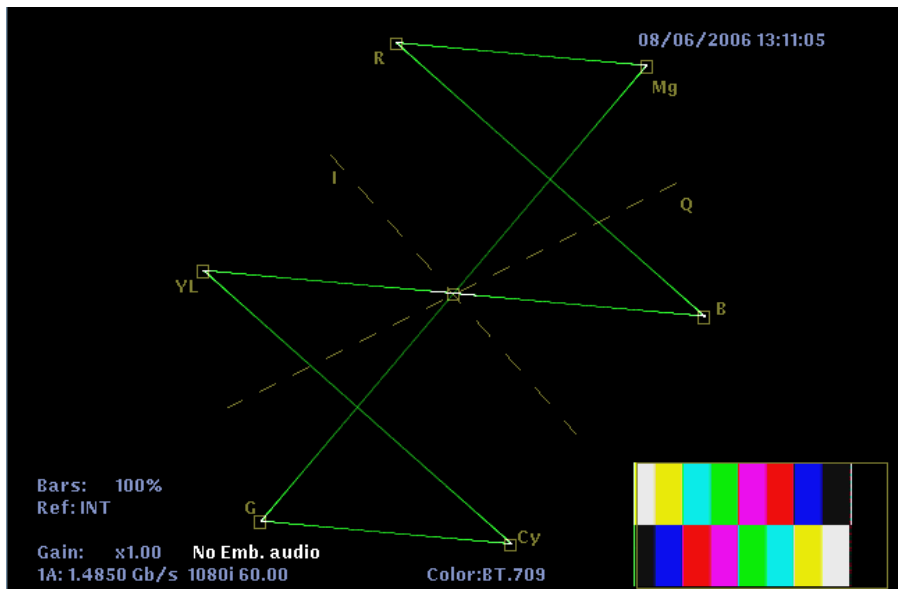
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For ma de onda / Waveform.



Vector.