

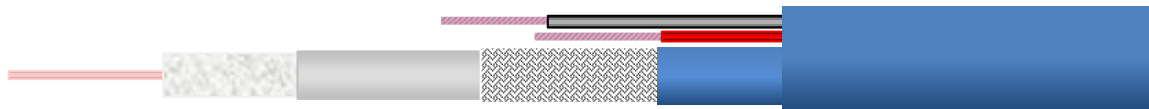
Description

Security video cable - 75 Ohm with 2 electrical wires 0,75 mm²
 Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

VSHD402075



Ø 6,30 x 7,40 (LSZH)

Class CPR acc. to UE 305/2011 (DoP)

Eca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/ 2011 for the class of performance specified on the related product label.

Standards

EN50117-9-1

EN50117-10-1

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

4K-UHD

EoC (Ethernet over Coax)

Indoor + Outdoor Installation

Attached Data Sheet

Sheath Colour

| | |
|--------|------------------|
| VSHD40 | blue (RAL 5015) |
| CE24 | black (RAL 9011) |
| CE25 | red (RAL 3000) |

Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) Ø 7,40 x 6,30 ± 0,10 mm
 halogen-free, low smoke, flame retardant and UV-resistant
 Printed each meter by blue ink-jet :

CAVEL VS HD 40 2075 LSZH MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-1 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

| | | |
|----------------------------------|-----------|-------|
| Weight of copper conductors | 17,90 | kg/km |
| Total weight of cable | 50,76 | kg/km |
| Maximum cable pulling strength | 50 | N |
| Minimum installation temperature | -5 | °C |
| Operating temperature | -20 / +80 | °C |

Electrical data

| | | |
|---------------------------------------|------|--------|
| Loop Resistance electrical wires | 74 | Ohm/km |
| Sheat Insulation voltage (spark test) | 2,50 | kV |

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Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2023

Responsible

A. Bergaglio

DescriptionSecurity video cable - 75 Ohm with 2 electrical wires 0,75 mm²

Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

VSHD402075

| | | |
|--|-----------|----|
| Sheat Insulation voltage (spark test) | 2,50 | kV |
| Maximum Operating Range analog/digital | 500 / 250 | m |

Connectors**BNCC40** Series BNC Compression, BNC Compression, for OUTDOOR installation**BNCCEM3C** Series BNC Compression, BNC Compression, for OUTDOOR installation**ITALIANA CONDUTTORI s.r.l.**

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Description

Security video cable - 75 Ohm

Indoor and Outdoor installation cable (Screening attenuation - Class A)



Data Sheet

VSHD40
VSHD402075



| | | | | | |
|---|------|-------|-----------------|--------|--------|
| Ø | 0,42 | 1,90 | 2,07 | 2,47 | 3,60 |
| | (Cu) | (PEG) | (Al/Pet/Al+Sur) | (CuSn) | (LSZH) |

Class CPR acc. to UE 305/2011 (DoP)

Dca s2,d2,a1

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/ 2011 for the class of performance specified on the related product label.

Standards

| | | |
|-------------|--------------|----------------|
| EN50117-9-1 | EN50117-10-1 | CEI-UNEL 36762 |
|-------------|--------------|----------------|

Reaction to Fire

EN 50575

Application

4K-UHD

EoC (Ethernet over Coax)

Indoor + Outdoor Installation

Construction data

| | | | |
|--|-----------------|---------------|----|
| Inner conductor of plain copper | (Cu) | Ø 0,42 ± 0,02 | mm |
| Dielectric of physical foam polyethylene | (PEG) | Ø 1,90 ± 0,10 | mm |
| Aluminum/Polyester/Aluminum+Surlyn tape longitudinally overlapped and bonded to the dielectric | (Al/Pet/Al+Sur) | | |
| Braid of tinned copper wires | (CuSn) | | |
| Braid optical coverage (IEC 96-1) | | 70 | % |
| Diameter over Braid | | Ø 2,47 | mm |
| Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, low smoke, flame retardant and UV-resistant | (LSZH) | Ø 3,60 ± 0,10 | mm |

Printed each meter by blue ink-jet :

CAVEL VS HD 40 LSZH MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-9-1 CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

| | | |
|--|-----------|-------|
| Weight of copper conductors | 5,52 | kg/km |
| Total weight of cable | 16,12 | kg/km |
| Minimum bending radius (single/repetead bending) | 15/30 | mm |
| Maximum cable pulling strength | 50 | N |
| Minimum installation temperature | -5 | °C |
| Operating temperature | -20 / +80 | °C |

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Description

Security video cable - 75 Ohm

Indoor and Outdoor installation cable (Screening attenuation - Class A)

Coaxial Cables

CAVEL

since 1968

Data Sheet**VSHD40**

VSHD402075

Electrical data

| | | | |
|--|---------|-----------|--------|
| Characteristic impedance | 200 MHz | 75 ± 3 | Ohm |
| Capacitance (@1kHz) | | 55 ± 3 | pF/m |
| Velocity Ratio | | 82 % | |
| Inner conductor resistance | | 135 | Ohm/km |
| Outer conductor resistance | | 30 | Ohm/km |
| Loop resistance | | 165 | Ohm/km |
| Sheat Insulation voltage (spark test) | | 2,50 | kV |
| Maximum current | | 1 | A |
| Maximum Operating Range analog/digital | | 500 / 250 | m |
| Structural return loss (SRL) | | | |
| 5 - 470 MHz | >25 dB | | |
| 470 - 1000 MHz | >21 dB | | |
| 1000 - 2000 MHz | >20 dB | | |
| 2000 - 3000 MHz | >18 dB | | |

| | |
|----------------------------|------------|
| Screening Attenuation (SA) | SA-Class A |
| 30 - 1000 MHz | >85 dB |
| 1000 - 2000 MHz | >85 dB |
| 2000 - 3000 MHz | >75 dB |

Attenuation (at 20°C)

| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 2 | 2,40 | 5 | 3,80 |
| 3 | 2,90 | 200 | 21,20 |
| 4 | 3,40 | 862 | 45,10 |

Connectors

| | |
|-----------------|---|
| BNCC40 | Series BNC Compression, BNC Compression, for OUTDOOR installation |
| BNCCEM3C | Series BNC Compression, BNC Compression, for OUTDOOR installation |

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Responsible

A. Bergaglio

DescriptionElectrical wire 0,75 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet**CE24**

VSHD402075

24x0,193



| | | |
|---|------|--------|
| Ø | 1,00 | 2,35 |
| | (Cu) | (LSZH) |

Application

Construction data

| | | | | |
|---|--------|----------|--------|----|
| Electrical conductor of stranded bare copper wires 0,75 mm ² | (Cu) | 24x0,193 | Ø 1,00 | mm |
| Outer sheath of Thermoplastic material - black (RAL 9011) - halogen-free, low smoke, flame retardant and UV-resistant | (LSZH) | | Ø 2,35 | mm |

Physical data

| | | |
|-----------------------------|-------|-------|
| Weight of copper conductors | 6,20 | kg/km |
| Total weight of cable | 12,00 | kg/km |

Electrical data

| | | |
|-------------------------------------|-------|--------|
| Conductor resistance @ 20°C | 24,70 | Ohm/km |
| Maximum current (I _{eff}) | 8 | A |

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Responsible

A. Bergaglio

DescriptionElectrical wire 0,75 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet**CE25**

VSHD402075

24x0,193



| | | |
|---|------|--------|
| Ø | 1,00 | 2,35 |
| | (Cu) | (LSZH) |

Application

Construction data

| | | | | |
|---|--------|----------|--------|----|
| Electrical conductor of stranded bare copper wires 0,75 mm ² | (Cu) | 24x0,193 | Ø 1,00 | mm |
| Outer sheath of Thermoplastic material - red (RAL 3000) - halogen-free, low smoke, flame retardant and UV-resistant | (LSZH) | | Ø 2,35 | mm |

Physical data

| | | |
|-----------------------------|-------|-------|
| Weight of copper conductors | 6,20 | kg/km |
| Total weight of cable | 12,00 | kg/km |

Electrical data

| | | |
|----------------------------|-------|--------|
| Inner conductor resistance | 24,70 | Ohm/km |
| Maximum current | 8 | A |

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