

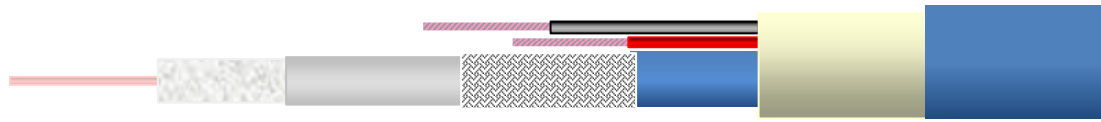
Description

Security video cable - 75 Ohm
 LSZH UV resistant security video cable (Screening Class A)



Data Sheet

VSHD80210



Ø 0,05 (Pet) 9,80 x 7,20 (LSZH)

Construction data

Attached Data Sheet	Sheath Colour
VSHD80	blue (RAL 5015)
CE12	black
CE13	red

Non-migrating Polyester tape longitudinally overlapped (Pet) 25 x 23 mm/μm
 Outer sheath of Thermoplastic material - blue (RAL 5015) - (LSZH) 9,80 x 7,20 ± 0,10 mm
 halogen-free, flame retardant and UV-resistant

Printed each meter by blue ink-jet :

CAVEL VS HD 80210 LSZH MADE IN ITALY 1000 V 75 Ohm - m

(m=meter marking)

Mechanical data

Weight of copper conductors	27,80	kg/km	
Total weight of cable	75,00	kg/km	
Fire Load	961	MJ/km	267 kWh/km

Standards

ITALIANA CONDUTTORI s.r.l.

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

Date

20/12/2013

Responsible

Alberto Scardovi

Description

Security video cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

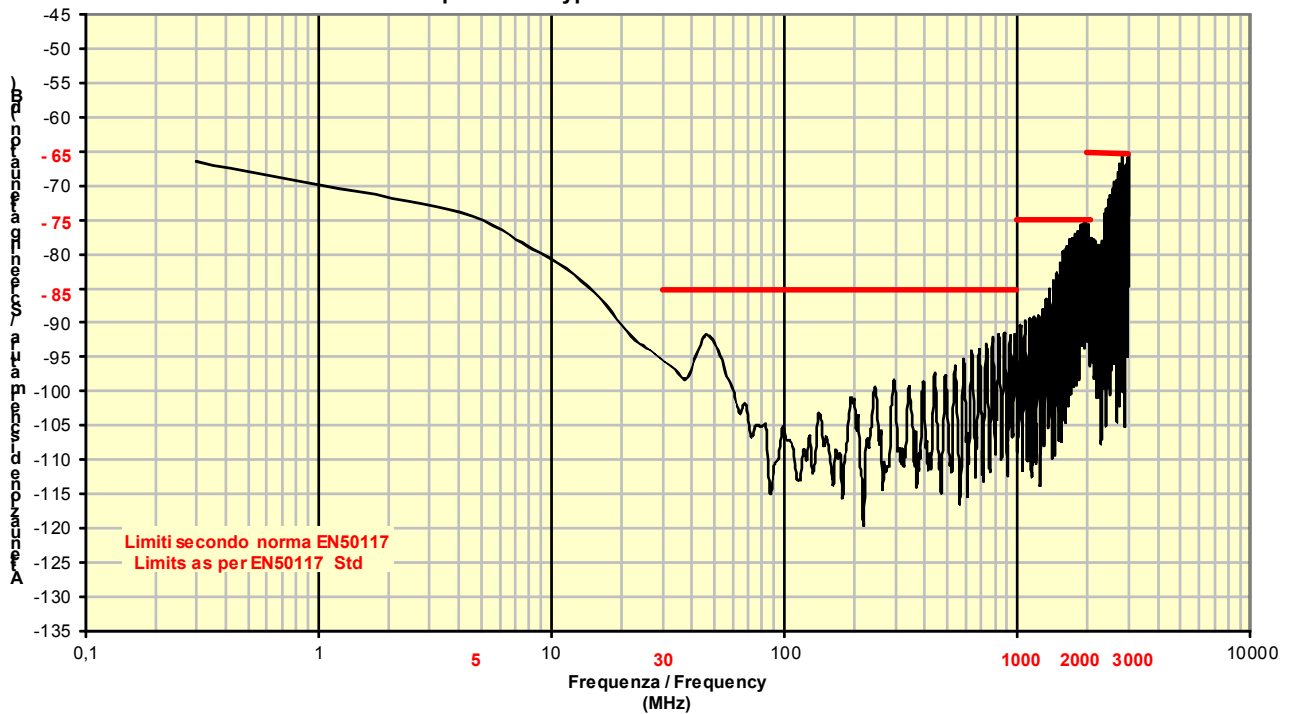
Data Sheet

VSHD80210

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : VS HD 80



Connector

FA501	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F501	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
IECF905C	Series IEC (no tool), Ø 3,9 90° female, for indoor installation
IECM905C	Series IEC (no tool), Ø 3,9 90° male, for indoor installation
FCPO3.9C	Series F Compression, Ø 3,9 Push-On, for outdoor installation, nitin-plated brass
FC501	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm
BNCC501	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm

ITALIANA CONDUTTORI s.r.l.

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

Date

20/12/2013

Responsible

Alberto Scardovi

Description

Outdoor drop coaxial cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

VSHD80

VSHD80210



Ø	0,80	3,50	3,60	4,00	5,00
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)

Construction data

Inner conductor of plain copper	(Cu)	0,80 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	3,50 ± 0,10 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		65 %
Diameter under Sheath		4,00 mm
Outer sheath of Thermoplastic material - blue (RAL 5015) - halogen-free, flame retardant and UV-resistant	(LSZH)	5,00 ± 0,10 mm

Printed each meter by blue ink-jet :

CAVEL VS HD 80 LSZH MADE IN ITALY 75 Ohm EN50117-2-5 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa - m

(ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		35	Ohm/km
Outer conductor resistance		18,60	Ohm/km
Loop resistance		53,60	Ohm/km
Insulation voltage of the sheath (spark test)		2,50	KV
Maximum current (Ieff)		4	A

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening Attenuation (SA)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

Transfer impedance

5 - 30 MHz <5,0 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

Date

19/12/2013

Responsible

Alberto Scardovi

Description

Outdoor drop coaxial cable - 75 Ohm
 LSZH UV resistant security video cable (Screening Class A)



Data Sheet

VSHD80
 VSHD80210

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
2	1,30	5	2,10
3	1,60	200	11,00
4	1,90	862	23,00

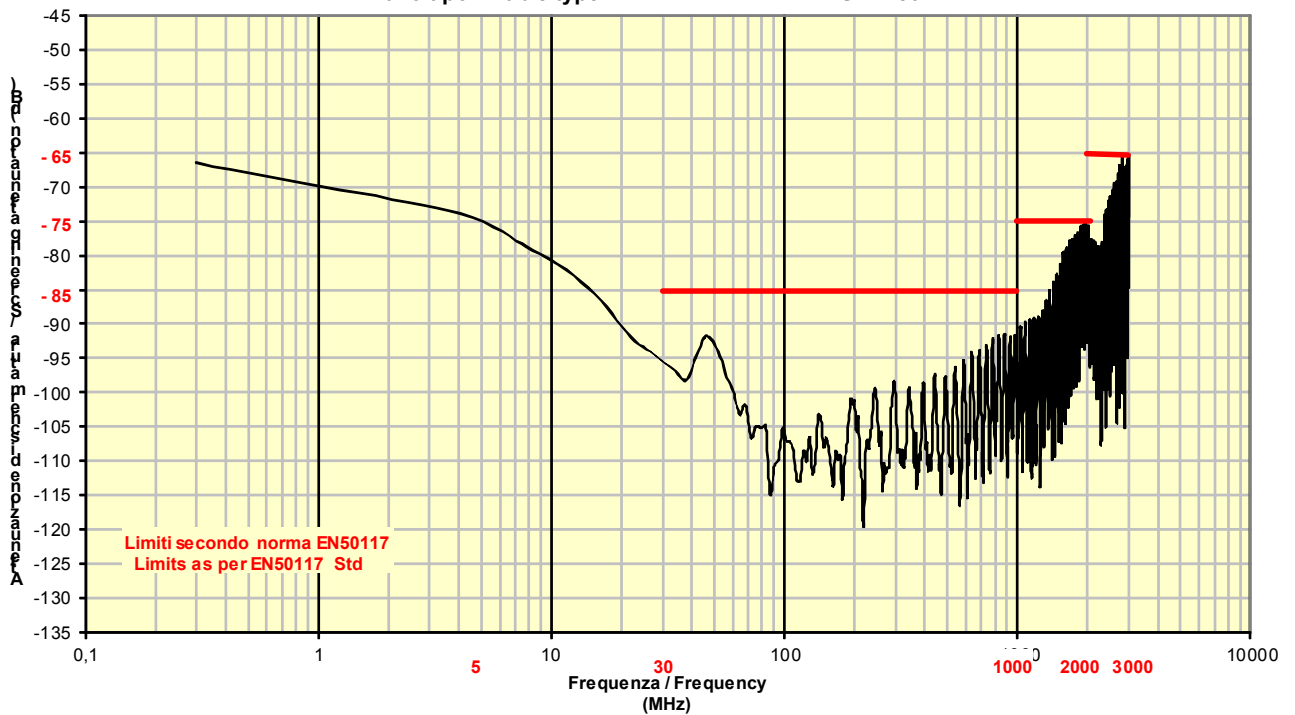
Mechanical data

Weight of copper conductors	11,13	kg/km	
Total weight of cable	26,60	kg/km	
Minimum bending radius (single/repetead bending)	25/50	mm	
Maximum cable pulling strength	90	N	
Fire Load	331	MJ/km	92 kWh/km

Standards

Attenuazione di schermatura / Screening Attenuation
Cavo classe A / A Class Cable

Cavo tipo / Cable type : **VS HD 80**



ITALIANA CONDUTTORI s.r.l.

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

Date

19/12/2013

Responsible

Alberto Scardovi

Description

Outdoor drop coaxial cable - 75 Ohm

LSZH UV resistant security video cable (Screening Class A)

**Data Sheet****VSHD80**

VSHD80210

Connector

FA501	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F501	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
IECF905C	Series IEC (no tool), Ø 3,9 90° female, for indoor installation
IECM905C	Series IEC (no tool), Ø 3,9 90° male, for indoor installation
FCPO3.9C	Series F Compression, Ø 3,9 Push-On, for outdoor installation, nitin-plated brass
FC501	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm
BNCC501	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

19/12/2013

Responsible

Alberto Scardovi

Description

Electrical wire 1 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet

CE12

VSHD80210

32x0,193



Ø	1,13 (Cu)	2,55 (PVC)
---	--------------	---------------

Construction data

Electrical conductor of stranded bare copper wires	1,00 mm ²	(Cu)	32x0,19 3	1,13 mm
Outer sheath of Polyvinylchloride - black - lead-free		(PVC)		2,55 mm

Electrical data

Inner conductor resistance		18	Ohm/km
Maximum current		12	A

Mechanical data

Weight of copper conductors	8,35 kg/km
Total weight of cable	14,50 kg/km

Standards**ITALIANA CONDUTTORI s.r.l.**

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

Date

17/06/2010

Responsible

Alberto Scardovi

Description

Electrical wire 1 mm²

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet

CE13

VSHD80210

32x0,193



Ø	1,13 (Cu)	2,55 (PVC)
---	--------------	---------------

Construction data

Electrical conductor of stranded bare copper wires	1,00 mm ²	(Cu)	32x0,19 3	1,13 mm
Outer sheath of Polyvinylchloride - red (RAL 3000) - lead-free		(PVC)		2,55 mm

Electrical data

Conductor resistance @ 20°C		18	Ohm/km
Maximum current		12	A

Mechanical data

Weight of copper conductors	8,35 kg/km
Total weight of cable	14,50 kg/km

Standards**ITALIANA CONDUTTORI s.r.l.**

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

Date

17/06/2010

Responsible

Alberto Scardovi