

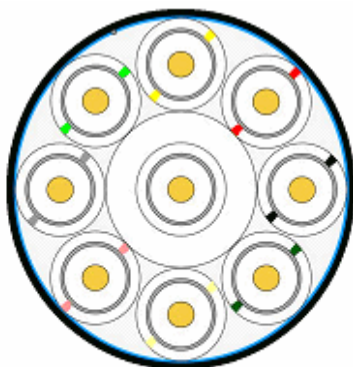
Description

Multipair coaxial cable - 75 Ohm

Coaxial Cables

CAVEL®

since 1968

Data Sheet**9XDG80M****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

EN 50117-2-5

Reaction to Fire

EN50575

Construction data

Polyester film spirally wrapped

(Pet)

Attached Data Sheet**Sheath Colour**

DG80

black

grey (RAL 7001)

yellow (RAL1021)

ivory (RAL 1013)

green (RAL 6018)

green (RAL 6029)

red (RAL 3000)

red (RAL 3015)

white (PVC)

Central Filler

(PVC) white

Ø 8,50

mm

Diameter under sheath

18,55 ± 0,20

mm

Outer sheath of Thermoplastic material - black - halogen free and flame retardant

(LSZH)

Ø 19,80 ± 0,30

mm

Zinc-plated steel rip cord

(FeZn)

Ø 0,40

mm

Printed each meter by blue ink-jet :

CAVEL 9 x DG 80 M MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V)**ULTRA HD / 4K gggaan m**

(gggaan=batch number m=meter marking)

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

Date**21/09/2017****Responsible****Alberto Scardovi**

Description

Multipair coaxial cable - 75 Ohm

**Data Sheet****9XDG80M****Physical data**

Weight of copper conductors	101,47	kg/km
Total weight of cable	377,12	kg/km
Minimum bending radius (single/repeated bending)	100/200	mm
Max.Tensile Strength	1.400	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Connectors

BNCC3.9C	Series BNC Compression, BNC Compression, for OUTDOOR installation
BNCC501	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F501	Series F Crimp, Crimp F-59-ALM 3.9/6.4, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FA501	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FC5.0QMS	Series F Compression, Short Quick Mount, for OUTDOOR installation
FC501	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FCEM5.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
FCPO3.9C	Series F Compression, Ø 3,9 Push-On, for OUTDOOR installation, nitin-plated brass
IECF905C	Series IEC (toolless), Ø 3,9 90° female, for INDOOR installation
IECM905C	Series IEC (toolless), Ø 3,9 90° male, for INDOOR installation

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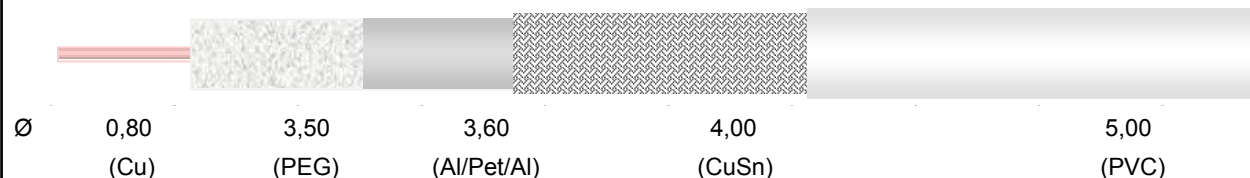
Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception

**Data Sheet****DG80**

9XDG80M

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

Eca

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Standards

EN 50117-2-4

Reaction to Fire

EN50575

Construction data

Inner conductor of plain copper	(Cu)	Ø 0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 ± 0,10	mm
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		65	%
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	Ø 5,00 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL DG 80 MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-4 CEI-UNEL 36762 C-4 (U0 = 400V)**ULTRA HD / 4K gggaan m**

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	11,13	kg/km
Total weight of cable	25,73	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

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

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Date

23/03/2017

Responsible

PierPaolo Piccinini

Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception

**Data Sheet****DG80**

9XDG80M

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)

SA-Class A

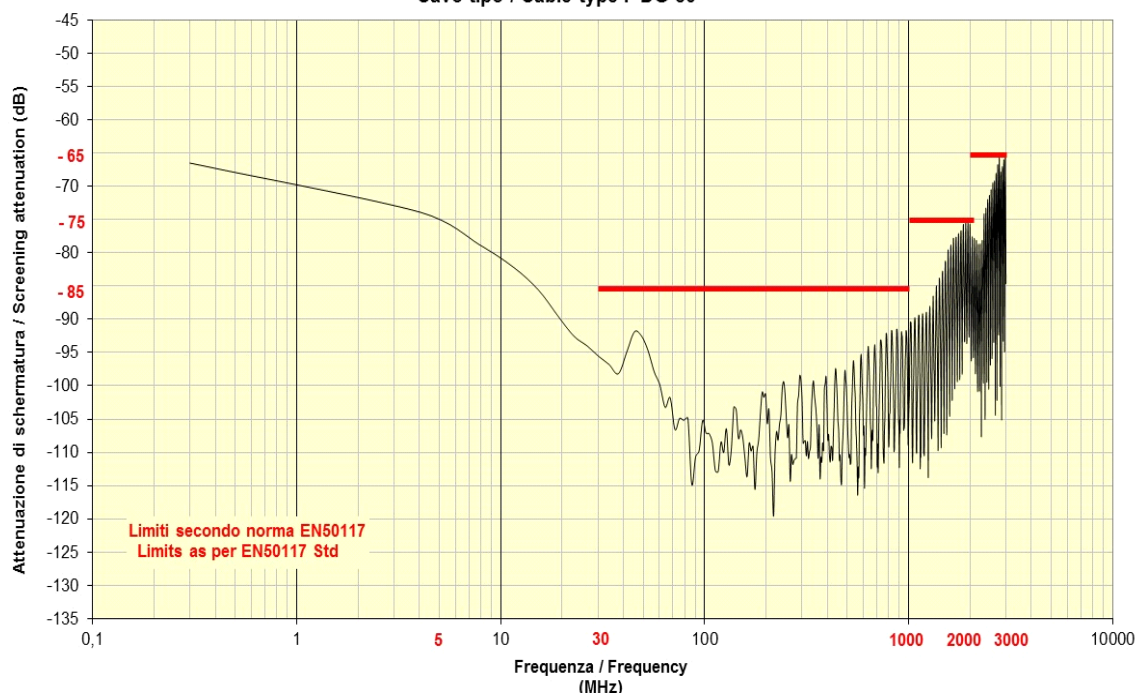
30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>75 dB
2000 - 3000 MHz	>65 dB

Shield Transfer Impedance (Zt)

Zt-Class B

5 - 30 MHz

< 9 mOhm/m

Attenuazione di schermatura / Screening Attenuation**Cavo classe A / A Class Cable****Cavo tipo / Cable type : DG 80****Connectors**

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