

Description

"siamese" drop coaxial cable - 75 Ohm
 Cable for digital reception (Screening Class A)



Data Sheet

2XDG80



Standards

EN 50117-2-4

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 11,00 x 5,00 ± 0,20	mm

Printed each meter by blue ink-jet :

**CAVEL 2 x DG 80 MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) * LTE
 PROTECTION * ss/aa m C C C C C**

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

Physical data

Weight of copper conductors		22,25	kg/km
Total weight of cable		56,20	kg/km
Minimum bending radius (single/repeated bending)		25/50	mm
Maximum cable pulling strength		90	N
Fire Load	784 MJ/km	218	kWh/km

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

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	Shield Transfer Impedance (Zt)	
30 - 1000 MHz	>90 dB	5 - 30 MHz	< 9 mΩ/m

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 Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

P.Piccinini

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Cable for digital reception (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

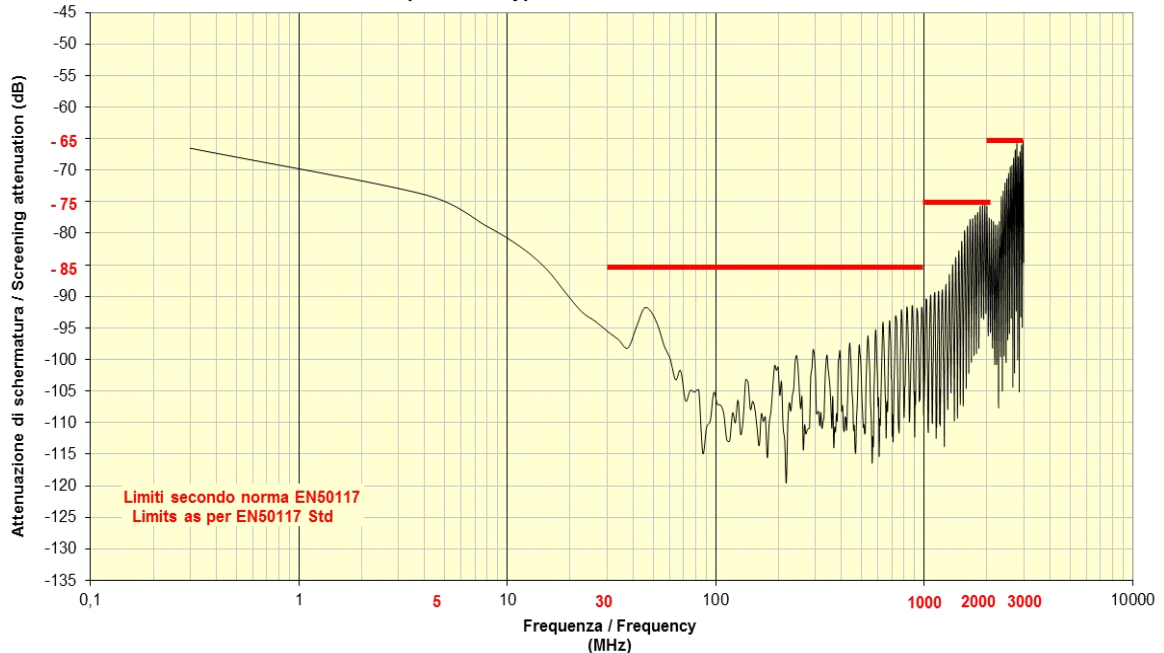
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1000 - 2000 MHz	>75 dB
2000 - 3000 MHz	>65 dB

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

Cavo tipo / Cable type : 2 x DG 80

**Connectors**

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, Crimp F-59-ALM 3.9/6.4, 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
BNCC3.9C	Series BNC Compression, BNC Compression, for outdoor installation

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