

Description

Double Shielded Coaxial Connection Cable, for digital reception -
75 Ohm
Cable for digital reception (Screening Attenuation - Class A)



Data Sheet

DG80

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

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

EN50117-9-2

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

8K-UHD

Indoor Installation

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
Aluminum/Polyester/Aluminum tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		65	%
Diameter over Braid		Ø 4,00	mm
Outer sheath of Polyvinylchloride - white - 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 EN50117-9-2 SA Class A CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 8K gggaan m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	11,13	kg/km
Total weight of cable	25,90	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +70	°C

Electrical data**ITALIANA CONDUTTORI s.r.l.**

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

Date

09/03/2026

Responsible

A. Bergaglio

Description				Data Sheet
Double Shielded Coaxial Connection Cable, for digital reception - 75 Ohm Cable for digital reception (Screening Attenuation - Class A)				DG80
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	Transfer Impedance (Zt)	
30 - 1000 MHz		>90 dB	5 - 30 MHz	
1000 - 2000 MHz		>75 dB	< 9 mOhm/m	
2000 - 3000 MHz		>65 dB		
Attenuation (at 20°C)				
Frequency [MHz]		Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5		2,10	690	20,40
10		3,00	1000	24,90
30		4,40	1750	33,50
50		5,70	2150	37,40
200		11,00	2400	39,60
300		13,50	3000	44,80
470		16,80		
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**Data Sheet****DG80****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
C75-5L	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
CCFM75GI	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
CS00	Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -
DR01	Adapter, Nut and Washer, for INDOOR installation
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
F81-HQ	Adapter, F Adapter FF, for INDOOR installation
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
FCPO3.9C	Series F Compression, Ø 3,9 Push-On, for OUTDOOR installation, nitin-plated brass
FM-FF90	Adapter, FM - FF 90°, for INDOOR installation
IECF905C	Series IEC (toolless), Ø 3,9 90° female, for INDOOR installation
IECM905C	Series IEC (toolless), Ø 3,9 90° male, for INDOOR installation
LTE790	Indoor Fittings, Filter, for INDOOR installation
MM-F703	Adapter, F Adapter MM, for INDOOR installation
MM-FR703	Adapter, F Adapter MM, for INDOOR installation
SAT2VS	Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation
TV2VS	Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation

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