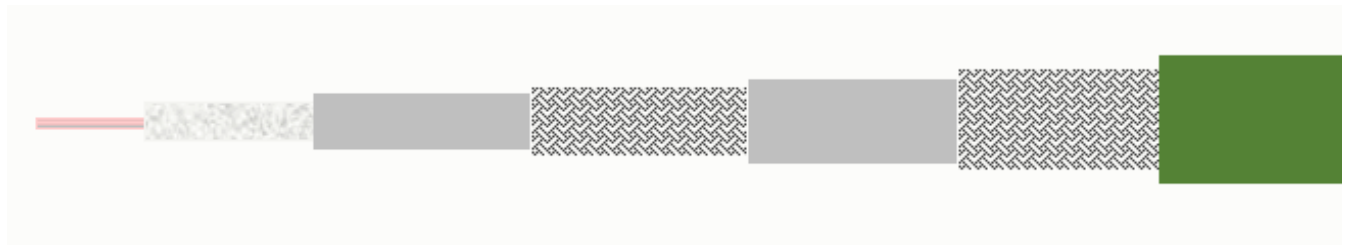


Description

Coaxial connection cable, halogen-free, low smoke, UV-resistant,
with rodent proof braid - 75 Ohm
Cable for digital reception (Screening attenuation - Class A+)

**Data Sheet****DG113ZHROD**

Ø (mm)	1,13	4,80		5,30	6,60		9,40
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)	(FeZn)	(LSZH)

Standards

EN50117-9-2

EN50117-10-2

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

DOCSIS 3.1 (Data Over Coax System), Satellite Internet (VSAT)

8K-UHD

Indoor + Outdoor Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 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)		72	%
Braid optical coverage (IEC 96-1) - Armatura		90	%
Diameter over Braid		Ø 5,30	mm
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 6,60 ± 0,10	mm
Sheath armor of Thermoplastic material - green (RAL 6018) - halogen-free, low smoke, flame retardant	(LSZH)	Ø 9,40 ± 0,20	mm
Printed each meter by blue ink-jet :			

CAVEL DG 113 ZH RODENT MADE IN ITALY 75 Ohm SA Class A+ EN50117-10-2 CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 8K gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	19,20	kg/km
Total weight of cable	128,00	kg/km
Minimum bending radius (single/repeated bending)	50/100	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°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
Coaxial connection cable, halogen-free, low smoke, UV-resistant, with rodent proof braid - 75 Ohm Cable for digital reception (Screening attenuation - Class A+)				DG113ZHROD
Characteristic impedance		200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)			52 ± 2	pF/m
Velocity Ratio			85 %	
Inner conductor resistance			18	Ohm/km
Outer conductor resistance			13,90	Ohm/km
Loop resistance			31,90	Ohm/km
Sheat Insulation voltage (spark test)			3	kV
Maximum current (Ieff)			8	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	>95 dB	5 - 30 MHz		< 5 mΩ/m
1000 - 2000 MHz	>85 dB			
2000 - 3000 MHz	>75 dB			
Attenuation (at 20°C)				
Frequency [MHz]		Attenuation [dB/100m]		
5		1,60		
10		2,30		
30		3,20		
50		4,10		
200		8,00		
300		9,80		
470		12,40		
		Frequency [MHz]		
		690		15,10
		1000		18,50
		1750		24,90
		2150		27,90
		2400		29,60
		3000		33,40
ITALIANA CONDUTTORI s.r.l.				
Viale Zanotti 90 I - 27027 Gropello Cairoli				
Tel +39-382.815150 Fax +39-0382.814212				
Date		Responsible		
09/03/2026		A. Bergaglio		