

Description

RG Coaxial Cable Type - 50 Ohm

LSZH Outer Sheath

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RG213/UZHN

7x0,75



Ø	2,25	7,25	7,97	10,30
	(Cu)	(PE)	(Cu)	(LSZH)

Application

Indoor + Outdoor Installation

Construction data

Inner conductor of stranded bare copper wires	(Cu)	7x0,75	Ø 2,25 ± 0,05	mm
Dielectric of solid polyethylene	(PE)		Ø 7,25 ± 0,15	mm
Braid of annealed copper wires	(Cu)			
Braid optical coverage (IEC 96-1)			96	%
Diameter over Braid			Ø 7,97	mm
Outer sheath of Thermoplastic material - black (RAL 9011) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)		Ø 10,30 ± 0,15	mm
Printed each meter by yellow ink-jet :				

CAVEL RG 213/UZHN MADE IN ITALY 50 Ohm gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	75,21	kg/km
Total weight of cable	155,04	kg/km
Minimum bending radius (single/repeated bending)	50/100	mm
Maximum cable pulling strength	400	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +80	°C

Electrical data

Characteristic impedance				50 ± 2	Ohm
Capacitance (@1kHz)				101 ± 2	pF/m
Velocity Ratio				66 %	
Inner conductor resistance				5,50	Ohm/km
Outer conductor resistance				4,50	Ohm/km
Loop resistance				10	Ohm/km
Sheat Insulation voltage (spark test)				5	kV
Structural return loss (SRL)				Max. power	
30 - 300 MHz	>25 dB	100 MHz	830 W	400 MHz	320 W
300 - 600 MHz	>24 dB	1000 MHz	180 W		
600 - 1000 MHz	>20 dB				

ITALIANA CONDUTTORI s.r.l.

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Date

04/08/2023

Responsible

A. Bergaglio

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RG213/UZHN**Screening Attenuation (SA)**

30 - 1000 MHz

>55 dB

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
50	4,10	470	14,80
200	9,00	800	20,40
300	11,30	1000	22,60

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