

Description

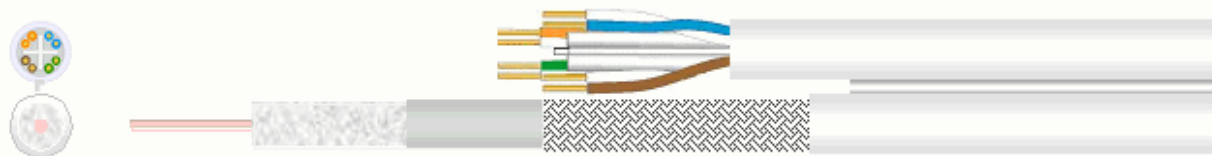
Hybrid multimedia cable

Coaxial class A++ and LAN Cat. 6 U/UTP

Coaxial Cables

CAVEL

since 1968

Data Sheet**H6091ZHB****Reaction to Fire**

EN50575

Attached Data Sheet

LAN640SG

RP913SG

Outer sheath of Thermoplastic material - white - halogen-free, low smoke, flame retardant and UV-resistant

(LSZH)

Ø 13,20 x 6,60

mm

Printed each meter by blue ink-jet :

CAVEL H 6091 ZHB MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-5 CAT. 6 U/UTP gggaan - m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	37,60	kg/km
Total weight of cable	87,20	kg/km
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Connectors

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F703	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FA703	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FC703	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FCEM7.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
IECF5.1C	Series IEC (toolless), female, no tool, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
IECF703	Series IEC Compression, female, no tool, for OUTDOOR installation
IECM5.1C	Series IEC (toolless), male, no tool, for INDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
IECMC703	Series IEC Compression, male, for OUTDOOR installation
FC703C	Series F Compression, F Compression, for OUTDOOR installation

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

Giuseppe Guastella

Description

Local Area Network Cable

Cat. 6 U/UTP 4x2xAWG23/1

Coaxial Cables

CAVEL®

since 1968

Data Sheet**LAN640SG**

H6091ZHB



Ø 0,57 1,05
(PE)

Standards

EIA-TIA 568-B-2

ISO/IEC 11801 2° ed.

IEC 61156-5

EN 50173

EN 50288-6-1

Construction data

4 pairs with conductor of bare copper wires

(Cu)

Ø 0,57

mm

Insulation of solid Polyethylene

(PE)

Ø 1,05

mm

Composition

Twisted pairs, coloured by Standard TIA-568A

Cross separator in Polyethylene

Physical data

Weight of copper conductors

18,50

kg/km

Total weight of cable

40,96

kg/km

Minimum bending radius x1/n

35/70

mm

Maximum tensile strength during the installation

100

N

Installation temperature

0 / +50

°C

Operating temperature

-20 / +60

°C

Electrical data

Characteristic impedance

1 - 100 MHz

100 ± 15

Ohm

100 - 250 MHz

100 ± 22

Ohm

Capacitance of Twisted Pair (@800Hz)

48

pF/m

Velocity Ratio

67 %

DC Conductor Resistance

80

Ohm/km

Loop resistance

160

Ohm/km

Insulation resistance

5000

MOhm/km

Sheath Insulation Voltage (DC, 1 min)

1

kV

Coupling Attenuation

> 45

dB

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Date

29/05/2020

Responsible

A. Bergaglio

Description

Double shielded coaxial cable - 75 Ohm

Double shielded cable (Screening Class A+)

**Data Sheet****RP913SG**

H6091ZHB



Ø	1,13	4,75	4,90	5,30
	(Cu)	(PEG)	(Al/Pet)	(CuSn)

Standards

EN 50117-2-4

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,75 ± 0,10	mm
Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		72	%

Physical data

Weight of copper conductors	19,10	kg/km
Total weight of cable	28,10	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N

Electrical data

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		10,70	Ohm/km
Loop resistance		28,70	Ohm/km
Sheat Insulation voltage (spark test)		3	kV
Maximum current (I _{eff})		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 (Z _t)	Z _t -Class A+
30 - 1000 MHz	>110 dB	5 - 30 MHz	< 2,5 mOhm/m
1000 - 2000 MHz	>105 dB		
2000 - 3000 MHz	>90 dB		

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Date

29/02/2016

Responsible

Giuseppe Guastella

Description

Double shielded coaxial cable - 75 Ohm

Double shielded cable (Screening Class A+)



Data Sheet

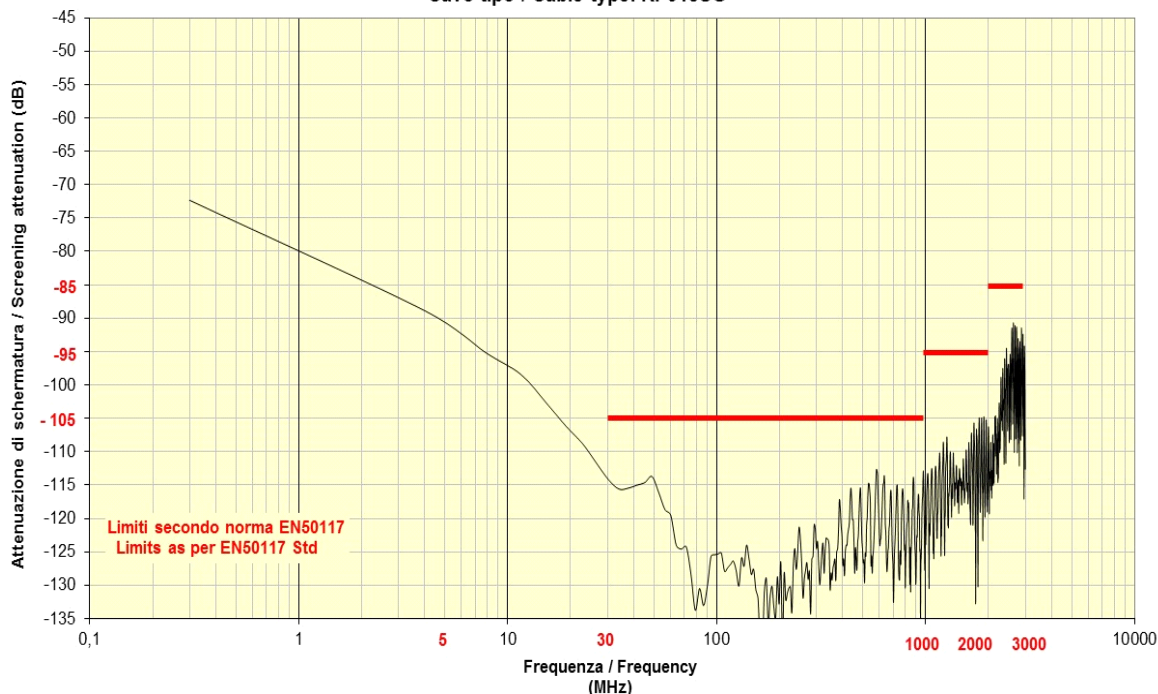
RP913SG

H6091ZHB

Attenuazione di schermatura / Screening Attenuation

Cavo classe A++ / A++ Class cable

Cavo tipo / Cable type: RP913SG



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