

DESCRIPTION

50 Ohm - LOW LOSS COAXIAL CABLE



CODE

WL 240

Diam.

1,40 3,80 3,90 4,38 6,10 mm
Cu PEE Al/Pet/Al CuSn PE



A B C D E

CONSTRUCTION DATA

DIMENSIONS

- A. Inner conductor of plain annealed copper wire. (Cu) ϕ 1,40 ± 0,02 mm
- B. Dielectric of foam Polyethylene gas injected (60%) . (PEE) ϕ 3,80 ± 0,10 mm
- Outer conductors :
 - C. Aluminium/Polyester/Aluminium tape longitudinally overlapped. (Al/Pet/Al) 16 x 12/15/12 mm x μ m
 - D. Braid of tinned copper wires . (CuSn) 16 x 7 x 0,12 mm
 Lay of braid . 54 mm
 Coverage (IEC 96-1) . 78%
- E. Outer sheath of black Polyethylene, printed by yellow ink-jet: (PE) ϕ 6,10 ± 0,10 mm

CAVEL WL240 50 Ohm LOW LOSS WI-FI/RF - MADE IN ITALY - gggaan - meter marking (gggaan=BATCH)

Weight of copper conductors : 25,3 Kg/Km
 Total weight of cable (approx.) : 43,6 Kg/Km
 Minimum bending radius : 60 mm

ELECTRICAL DATA

Characteristic Impedence : 50 ± 2 Ohm Sheath dielectric strength (spark test): 5 kV
 Capacitance : 82 pF/m
 Velocity ratio : 80% Operating temperature: -40°C to +70°C

Attenuation (@20°C and dB/100m):

Frequency	Atten.	Frequency	Atten.
50 MHz	5,40	1500 MHz	30,7
150 MHz	9,20	1800 MHz	33,9
220 MHz	11,20	2000 MHz	35,9
450 MHz	16,20	2500 MHz	40,6
900 MHz	23,30	5800 MHz	65,2

Max. power: 30 MHz _ 1,41 kW 50 MHz _ 1,09 kW 150 MHz _ 0,62 kW 220 MHz _ 0,51 kW 450 MHz _ 0,35 kW
 900 MHz _ 0,24 kW 1500 MHz _ 0,19 kW 1800 MHz _ 0,17 kW 2000 MHz _ 0,16 kW 2500 MHz _ 0,14 kW
 5800 MHz _ 0,09 kW

S.R.L.: 5 -- 470 MHz > 30 dB 470 -- 1000 MHz > 28 dB 1000 -- 2000 MHz > 26 dB 2000 -- 3000 MHz > 22 dB

Inner conductor resistance: 11,2 Ohm/km Outer conductor resistance: 12,40 Ohm/km
 Screening attenuation: > 90 dB

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