

LLA195LSZH

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR E_{ca}

CU	PEG	LAS	CS	LSZH
ø 0,95 mm	ø 2,80 mm	ø 2,90 mm	ø 3,30 mm	ø 5,00 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 0,95 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 2,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 12 mm
	- COVERAGE		100%
D	BRAID	TINNED COPPER	144 x 0,10 mm
	- COVERAGE		94%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## HF 195 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 0,95 / 2,80 / 5,00 MADE IN ITALY CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

TEMPERATURE RANGE -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	16,9
- PLASTIC	20,2
- TOTAL	38,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz	50 ± 1,5 Ohm	RESISTANCE	
		- INNER CONDUCT.	25,2 Ohm/Km
CAPACITANCE	86 pF/m	- BRAID	11,9 Ohm/Km
VELOCITY RATIO	77%	TENSION	
		- SHEATH	4,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,9	1980
10	MHz	3,9	1400
30	MHz	6,3	808
50	MHz	8,1	626
150	MHz	13,0	361
220	MHz	15,8	298

MAX. POWER RATING W

		dB	W
450	MHz	23,0	209
600	MHz	26,9	181
800	MHz	31,3	157
900	MHz	33,3	151
1000	MHz	35,5	140
1500	MHz	44,3	114

		dB	W
1800	MHz	48,9	104
2000	MHz	52,0	99
2500	MHz	58,3	89
3000	MHz	64,1	81
5200	MHz	87,9	61
5800	MHz	93,4	58

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>25	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>23	3000 ÷ 4000	MHz	>16
1000 ÷ 2000	MHz	>22	4000 ÷ 5800	MHz	>13

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

The producer reserves himself to make modification on the item without any notice.