

HAM INTERNATIONAL FIREFLEX-15

LSZH FRNC LOW LOSS 50 OHM COAXIAL CABLE

FIRE BEHAVIOUR: EU CPR CLASS: Cca s2 d0 a1

Halogen free – low smoke: FRNC - LSZH complies with the new official requirements for buildings and vessels

Complies with the following EU norms: CE CPR certification notified body No. 2659

EN 50575: 2014 + A1: 2016

EN 50399: 2022 EN 60332-1-2: Nov 2004 + A12: 2021 EN 60754 1-2: 2014 + 2020 and EN 13501-6: 2018

Continuity of service: IEC 60331-21

TYPICAL ATTENUATION:

dB/100m @ 25°C incl. 2 x N male connector:

HAM INTERNATIONAL - FIREFLEX-15 LSZH 50 OHMS LOSS					
FREQ	dB	FREQ	dB	FREQ	dB
30MHz	1,61	400MHz	5,14	2000MHz	12,96
50MHz	2,02	500MHz	5,86	3000MHz	15,49
100MHz	2,46	800MHz	7,59	4000MHz	19,50
200MHz	3,54	1000MHz	8,65	5000MHz	22,48
300MHz	4,40	1500MHz	10,96	6000MHz	24,86

TYPICAL RETURN LOSS:



Each column 500MHz, centre frequency 2.5GHz.



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CONSTRUCTION SPECIFICATIONS :

INNER CONDUCTOR:	Solid CCA aluminium core	4.47mm
DIELECTRIC:	Foam PE low loss	11.56mm
OUTER CONDUCTOR 1:	Aluminium foil	11.71mm
SHIELDING FACTOR:		100%
OUTER CONDUCTOR 2:	Tinned copper braid	12.45mm
OUTER SHEATH:	FRPE UV resistant black	14.99mm
WEIGHT (100m):	Drum 4kg included	24kg

BENDING RADIUS :

INSTALLATION:	39mm
REPEATED BENDING:	153mm

TEMPERATURE RANGE :

INSTALLATION:	-40 to +85°C
STORAGE:	-94 to +85°C
OPERATING:	-40 to +85°C

ELECTRICAL SPECIFICATIONS :

IMPEDANCE:	50 Ohm
CAPACITY:	77pF/m
TIME DELAY:	3.83nS/m
VELOCITY FACTOR:	0.85
DIELECTRIC CONSTANT:	1.32
MAX FREQUENCY:	6GHz
SHIELDING EFFECTIVENESS:	>90dB
DC RESISTANCE:	inner conductor: 1.7 Ohm/km - outer conductor 3.9 Ohm/km
VOLTAGE WITHSTAND:	> 4000 V DC 8000 V RMS