



M&P

HyperFlex 5 1.212"

LSZH(FRNC)

Black LSZH (FRNC) jacket.
LSZH (FRNC)
 Ø 5,4 mm ± 0,15
 (0.212 inches ± 0.0059)

High resistance copper screen (Cu) made by means of 24 spools braiding machines. (50% more crossovers if compared to traditional 16 spools machines.) This braid is **HIGHLY EFFECTIVE AGAINST IMPULSIVE NOISES.**

SCREENING PERCENTAGE: 88% 120 wires

High pressure physical injection foamed polyethylene.

TRIPLE LAYER DIELECTRIC

FPE Ø 3,7 mm ± 0,05
(0.145 inches ± 0.05)

Inner conductor made of 19x0,29 stranded geometric and concentric copper wires. Purity 99,99% annealed.

(annealed = thermal softening process)

Cu 19x0,29 mm - Ø 1,4 mm ± 0,15
(19x0.011 inches - 0.055 inches ± 0.0059)

The copper foil has an applied PE-coating, placed in order to prevent foil cracking due to short radius bends.

SCREENING PERCENTAGE 100%
CU-POL

SRL

0,3-600 MHz	>28 dB
600-1200 MHz	>25 dB
1200-2000 MHz	>22 dB

ATTENUATION at 20°C/68°F

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	1,48	0,45
3,5 MHz	1,91	0,58
7,0 MHz	2,33	0,71
10 MHz	2,63	0,80
14 MHz	3,04	0,93
21 MHz	3,64	1,11
28 MHz	4,16	1,27
50 MHz	5,58	1,70
100 MHz	8,02	2,44
144 MHz	9,66	2,94
200 MHz	11,44	3,49
400 MHz	16,37	4,99
430 MHz	17,0	5,18
800 MHz	23,48	7,16
1000 MHz	26,46	8,07
1296 MHz	30,5	9,30
2400 MHz	42,58	12,98
3000 MHz	48,1	14,66
4000 MHz	56,95	17,36
5000 MHz	65,29	19,90
6000 MHz	72,92	22,23



ELECTRICAL DATA

Impedance @200MHz :	50 Ohm ± 3	
Minimum bending radius:		
Multiple bends/single bend	50/25 mm	(1.97/0.98 in)
Temperature:	-45°C to + 70°C	(-49°F to +158°F)
Capacitance:	74 pF/m ± 2	(22.6 pF/ft ± 2)
Velocity ratio:	87 %	
Screening efficiency:		
100-2000 MHz	>105 dB	
Class	A	
Inner conductor resistance:	14 Ohm/Km	(4.3 Ohm/1000ft)
Outer conductor resistance:	11 Ohm/Km	(3.4 Ohm/1000ft)
Tension test (spark test):	4 kV	
Weight (100m/100ft):	4,4 Kg	(3 lb)
Maximum peak power:	2900 WATT	

POWER HANDLING (at 40°C/104°F)

FREQUENCY	MAXP	FREQUENCY	MAXP
1,8 MHz	1274 W	400 MHz	115 W
3,7 MHz	987 W	430 MHz	111 W
7,0 MHz	809 W	800 MHz	80 W
10 MHz	717 W	1000 MHz	71 W
14 MHz	620 W	1296 MHz	62 W
21 MHz	518 W	2400 MHz	44 W
28 MHz	453 W	3000 MHz	39 W
50 MHz	338 W	4000 MHz	33 W
100 MHz	235 W	5000 MHz	29 W
144 MHz	195 W	6000 MHz	26 W
200 MHz	165 W		

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:

CEI 46-1 (construction parameters); EN 50117(screening efficiency); CEI EN 50289(SA test methods); IEC 60332-1-2(cables with PVC and (FRNC)LSZH jacket); CPR305/11(EN50575:2014 - DoP number: MP0099);