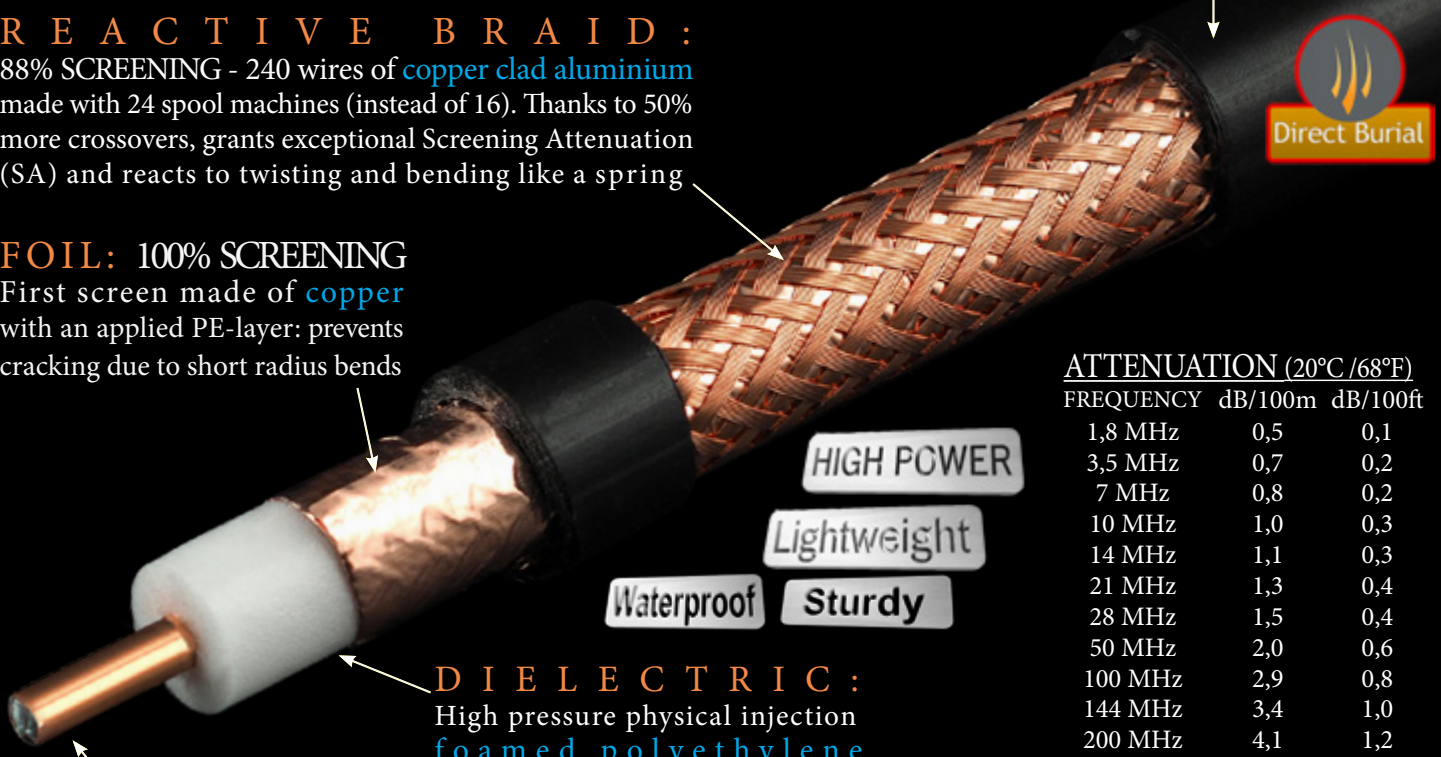
M&P AIRBORNE 13 /.500"

Ham Radio Pro Cables — M&P AIRBORNE — MESSI & PAOLONI

JACKET:
UV shielded polyethylene
for direct burial and outdoor use
overall Ø 12,7mm ± 0,15
(0.500")

REACTIVE BRAID:
88% SCREENING - 240 wires of copper clad aluminium made with 24 spool machines (instead of 16). Thanks to 50% more crossovers, grants exceptional Screening Attenuation (SA) and reacts to twisting and bending like a spring

FOIL: 100% SCREENING
First screen made of copper with an applied PE-layer: prevents cracking due to short radius bends



DIELECTRIC:
High pressure physical injection
foamed polyethylene
TRIPLE LAYER
overall Ø 9,9 mm ± 0,05 (0.287")

INNER CONDUCTOR:
made of copper clad aluminium
overall Ø 3,85 mm ± 0,05

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,5	0,1
3,5 MHz	0,7	0,2
7 MHz	0,8	0,2
10 MHz	1,0	0,3
14 MHz	1,1	0,3
21 MHz	1,3	0,4
28 MHz	1,5	0,4
50 MHz	2,0	0,6
100 MHz	2,9	0,8
144 MHz	3,4	1,0
200 MHz	4,1	1,2
400 MHz	6,0	1,8
430 MHz	6,0	1,8
800 MHz	8,4	2,5
1000 MHz	9,4	2,8
1296 MHz	10,9	3,3
2400 MHz	15,4	4,7
3000 MHz	17,4	5,3
4000 MHz	20,9	6,3
5000 MHz	23,6	7,1
5800 MHz	26,2	7,9
6000 MHz	26,6	8,1
7000 MHz	29,2	8,9
8000 MHz	32,1	9,7

ELECTRICAL DATA

Impedence @200Mhz:	50 Ohm ± 3
Minimum bending radius:	125mm
Temperature:	-45°C to +70°C (-49°F to +158°F)
Capacitance:	74 pF/m ± 2 (22.6 pF/ft ± 2)
Velocity factor:	87%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Inner conductor resistance:	3,0 Ohm/Km
Outer conductor resistance:	8,8 Ohm/Km
Tension test (spark test):	8 kV
Net weight x 100m (100ft):	11,9 Kg (7,9 lb)
Maximum peak power:	20000 WATT
Structural Return Loss:	0,3-600 MHz >23,6 dB; 600-1200 MHz >20,2 dB; 1200-2000 MHz >18 dB

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	11500 W	430 MHz	1508 W
3,5 MHz	9939 W	800 MHz	1095 W
7 MHz	7794 W	1000 MHz	968 W
10 MHz	7072 W	1296 MHz	844 W
14 MHz	6200 W	2400 MHz	593 W
21 MHz	5307 W	3000 MHz	525 W
28 MHz	4735 W	4000 MHz	438 W
50 MHz	3737 W	5000 MHz	388 W
100 MHz	2775 W	6000 MHz	345 W
144 MHz	2464 W	7000 MHz	317 W
200 MHz	2216 W	8000 MHz	291 W
400 MHz	1533 W		

*DUE TO THE DIMENSIONAL PARAMETERS OF THIS CABLE THE FREQUENCY OF 2500 MHz +/- 15 MHz IS NOT USABLE.

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:
CEI 46-1 (construction parameters) - **EN 50117** (screening efficiency) - **CEI EN 50289** (SA test methods) - **CPR305/11** - **EuroClass Fca** - **EN50575:2014** -

NCage: AS 503