

45,3% lighter
than average 10,3 mm
full copper cables



19dB @ 2400 Mhz
by far the most performant
of its class (10,3 mm cables)

M&P AIRBORNE 10 1.400"

J A C K E T :
UV shielded **polyethylene**
for direct burial and outdoor use
overall Ø 10,3mm ± 0,15
(0.405 inches ± 0.0059)

R E A C T I V E B R A I D :
85% SCREENING - 192 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



Waterproof Sturdy

D I E L E C T R I C :
High pressure physical injection
foamed polyethylene
T R I P L E L A Y E R
overall Ø 7,3 mm ± 0,05 (0.287 inch ± 0.0019)

I N N E R C O N D U C T O R :
made of **copper clad aluminium**
overall Ø 2,78 mm ± 0,05 (Ø 0.109 inches ± 0.0019)

ELECTRICAL DATA

Impedance @200Mhz:	50 Ohm ± 3
Minimum bending radius:	{ up to 15 bends: 103mm (4.05 in) single bend (choke): 65mm (2.56 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 (SA)	100-2000 MHz >105 dB
Screening Class:	A++
Inner conductor resistance:	4,4 Ohm/Km (1.3 Ohm/1000ft)
Outer conductor resistance:	12 Ohm/Km (3.7 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight (100m/100ft):	7,1 Kg (4.8 lb)
Maximum peak power:	14.500 WATT
Connectors:	UHF (PL), N, BNC, SMA, TNC, 7/16

SRL

0,3-600 MHz	>30 dB
600-1200 MHz	>25 dB
1200-2000 MHz	>20 dB

ATTENUATION (20°C/68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,6	0,2
3,5 MHz	0,8	0,2
7 MHz	1,0	0,3
10 MHz	1,2	0,3
14 MHz	1,3	0,4
21 MHz	1,7	0,5
28 MHz	1,9	0,5
50 MHz	2,4	0,7
100 MHz	3,5	1,0
144 MHz	4,2	1,2
200 MHz	5,0	1,5
400 MHz	7,2	2,1
430 MHz	7,6	2,3
800 MHz	10,4	3,1
1000 MHz	11,8	3,6
1296 MHz	13,6	4,1
2400 MHz	19,2	5,8
3000 MHz	21,6	6,5
4000 MHz	25,6	7,8
5000 MHz	29,2	8,9
6000 MHz	32,8	10,0
7000 MHz	35,6	10,8
8000 MHz	38,6	11,7
10.000 MHz	44,6	13,5
12.000 MHz	50,2	15,3

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	10831 W	430 MHz	944 W
3,5 MHz	8471 W	800 MHz	692 W
7 MHz	6667 W	1000 MHz	610 W
10 MHz	6000 W	1296 MHz	529 W
14 MHz	5180 W	2400 MHz	375 W
21 MHz	4114 W	3000 MHz	333 W
28 MHz	3731 W	4000 MHz	281 W
50 MHz	2939 W	5000 MHz	247 W
100 MHz	2045 W	6000 MHz	220 W
144 MHz	1710 W	7000 MHz	202 W
200 MHz	1440 W	8000 MHz	187 W
400 MHz	992 W	10.000 MHz	161 W

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:

CEI 46-1 (construction parameters); EN 50117 (screening efficiency); CEIEN 50289 (SA test methods); CPR305/11 (EN50575:2014 - DoP number: MP0096)