

1,4 Kg/100m  
lighter than RG58

3,6 dB/100m better  
@50 MHz than RG58

**M&P**  
**AIRBORNE 5**  
1.200"



**JACKET :**  
UV shielded polyethylene  
for direct burial and outdoor use  
overall Ø 5 mm ± 0,15  
(0.200")

**REACTIVE BRAID :**  
84% SCREENING - 96 wires of aluminium magnesium  
Strong and lightweight braid for an ultimate result of  
toughness and reliability, under a structural  
and Screening Attenuation (SA) point of view

ATTENTION: use only  
our connectors as with  
this sort of braid, no  
soldering is allowed!



**FOIL: 100% SCREENING**  
First screen made of aluminium  
- polyester - aluminium: prevents  
cracking due to short radius bends

Waterproof Sturdy

DXpedition

**DIELECTRIC :**  
High pressure physical injection  
foamed polyethylene  
TRIPLE LAYER  
overall Ø 3 mm ± 0,05 (0.118")

**INNER CONDUCTOR:**  
made of 99,9% pure bare copper  
overall Ø 1,13 mm ± 0,05 (Ø 0.044")

**ATTENUATION (20°C/68°F)**

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	1,7	0,5
3,5 MHz	2,3	0,7
7 MHz	3,0	0,9
10 MHz	3,4	1,0
14 MHz	4,0	1,2
21 MHz	4,8	1,4
28 MHz	5,5	1,6
50 MHz	7,1	2,1
100 MHz	9,4	2,8
144 MHz	11,1	3,3
200 MHz	12,8	3,9
400 MHz	18,3	5,6
430 MHz	19,0	5,7
800 MHz	26,5	8,1
1000 MHz	29,8	9,1
1296 MHz	34,2	10,4
2400 MHz	47,5	14,5
3000 MHz	53,5	16,3
4000 MHz	61,0	18,5
5000 MHz	68,6	20,9
6000 MHz	75,6	23,0

**POWER HANDLING (40°C/104°F)**

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	1172 W	400 MHz	102 W
3,5 MHz	837 W	430 MHz	99 W
7 MHz	625 W	800 MHz	71 W
10 MHz	543 W	1000 MHz	63 W
14 MHz	471 W	1296 MHz	55 W
21 MHz	394 W	2400 MHz	39 W
28 MHz	346 W	3000 MHz	35 W
50 MHz	268 W	4000 MHz	31 W
100 MHz	198 W	5000 MHz	27 W
144 MHz	170 W	6000 MHz	25 W
200 MHz	146 W		

**ELECTRICAL DATA**

Impedance @200Mhz:	50 Ohm ± 3
Minimum bending radius:	up to 15 bends: 50mm (1.97 in) single bend (choke): 25mm (0.98 in)
Temperature:	-45°C to +70°C (-49°F to +158°F)
Capacitance:	76 pF/m ± 2 (23.2 pF/ft ± 2)
Velocity factor:	85%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Inner conductor resistance:	17 Ohm/Km (5.2 Ohm/1000ft)
Outer conductor resistance:	34 Ohm/Km (10.4 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight x 100m (100ft):	2,3 Kg (1.5 lb)
Maximum peak power:	2000 WATT
Structural Return Loss:	0,3-600 MHz >30 dB    600-1200 MHz >28 dB    1200-2000 MHz >25 dB