

M&P

RG 214 A/U

MIL C17-F



**J A C K E T :**  
 UV-resistant black PVC  
 overall Ø 10,8mm ± 0,15  
 (0.425 inches ± 0.0059)

**R E A C T I V E B R A I D :**

Double special screen made of silver plated copper. Exceptional long lasting performance: silver oxide has even better conductivity than silver itself. Result is an outstanding operative life, especially nearby the sea

1° screen: 144 wires 96% coverage  
 2° screen: 168 wires 98% coverage

**D I E L E C T R I C :**  
 solid polyethylene  
 overall Ø 7,25mm ± 0,05  
 (0.285 inch. ± 0.0019)

**I N N E R C O N D U C T O R :**

7x0,75mm silver plated copper wires - overall Ø 2,25 mm ± 0,05  
 (7x0.029 inches - overall Ø 0.088 inches ± 0.0059)

**ATTENUATION (20°C/68°F)**

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	1,2	0,3
3,5 MHz	1,4	0,4
7 MHz	1,8	0,5
10 MHz	2,0	0,6
14 MHz	2,3	0,7
21 MHz	2,9	0,8
28 MHz	3,4	1,0
50 MHz	4,6	1,4
100 MHz	6,2	1,8
144 MHz	8,3	2,5
200 MHz	10,0	3,0
400 MHz	14,5	4,4
430 MHz	15,4	4,7
800 MHz	21,6	6,5
1000 MHz	25,3	7,7
1296 MHz	31,8	9,6

**ELECTRICAL DATA**

Impedence @200Mhz: 50 Ohm ± 3  
 Minimum bending radius: { up to 15 bends: 120mm (4.72 in)  
 single bend (choke): 60mm (2.36 in)  
 Temperature: -40°C to +60°C (-40°F to +140°F)  
 Capacitance: 101 pF/m ± 2 (30.8 pF/ft ± 2)  
 Velocity ratio: 66%  
 Screening Efficiency (SA) 100-900 MHz >80 dB  
 Screening Class: A++  
 Inner conductor resistance: 5,5 Ohm/Km (1.7 Ohm/1000ft)  
 Outer conductor resistance: 4 Ohm/Km (1.2 Ohm/1000ft)  
 Tension test (spark test): 8 kV  
 Net weight (100m/100ft): 20 Kg (13.4 lb)  
 Maximum peak power: 16.000 WATT  
 Connectors: UHF (PL), N, BNC, SMA, TNC, 7/16

**SRL**

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

**POWER HANDLING (40°C/104°F)**

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	5533 W	100 MHz	1161 W
3,5 MHz	4429 W	144 MHz	867 W
7 MHz	4000 W	200 MHz	720 W
10 MHz	3600 W	400 MHz	497 W
14 MHz	3130 W	430 MHz	468 W
21 MHz	2483 W	800 MHz	333 W
28 MHz	2118 W	1000 MHz	285 W
50 MHz	1565 W	1296 MHz	226 W

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:

CEI 46-1 (construction parameters); EN 50117 (screening efficiency); CEI EN 50289 (SA test methods); R118 (ISO7622-1); IEC 60332-1-2 (cables with PVC and LSZH jacket); CPR305/11 (EN50575:2014 - DoP number: MP00113)