M&P

RG 214 A/U

Mil C17-F

Ham Radio Pro Cables

M&P

MESSI & PAOLONI

CE Pb RoHS Compliant 2002/95/EC

JACKET:

UV-resistant black PVC
overall Ø 10,8mm ± 0,15
(0.425")

REACTIVE BRAID:

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, expecially nearby the sea



DIELECTRIC:

solid polyethylene
overall Ø 7,25mm ± 0,05
(0.285")

INNER CONDUCTOR:

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

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 factor:	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 x 100m (100ft):	20 Kg (13.4 lb)
Maximum peak power:	16000 WATT
Connectors:	UHF (PL), N, BNC, SMA, TNC, 7/16

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

RETURN LOSS

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 - **EuroClass Eca** - EN50575:2014 - DoP number: MP00113