

M&P RG 213/U PLUS



JACKET :
UV-resistant black PVC
overall Ø 10,3mm ± 0,15
(0.405 inches ± 0.0059)

REACTIVE BRAID :

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

DIELECTRIC :
solid polyethylene
overall Ø 7,25mm ± 0,05
(0.285 inch. ± 0.0019)

INNER CONDUCTOR :

7x0,75mm copper wires - overall Ø 2,25 mm ± 0,15
(7x0.029 inches - overall Ø 0.088 inches ± 0.0059)

ATTENUATION (20°C/68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,8	0,2
3,5 MHz	1,1	0,3
7 MHz	1,5	0,4
10 MHz	1,7	0,5
14 MHz	2,0	0,6
21 MHz	2,3	0,7
28 MHz	2,6	0,8
50 MHz	3,5	1,1
100 MHz	5,0	1,6
144 MHz	6,2	2,0
200 MHz	7,4	2,3
400 MHz	10,9	3,5
430 MHz	11,4	3,6
800 MHz	16,3	5,2
1000 MHz	18,6	5,9
1296 MHz	21,8	7,0
2400 MHz	32,1	10,2
3000 MHz	36,9	11,8
4000 MHz	44,4	14,2
5000 MHz	51,4	16,4
6000 MHz	58,2	18,6
7000 MHz	64,8	20,7
8000 MHz	70,8	22,6

ELECTRICAL DATA

Impedence @200Mhz:	50 Ohm ± 3
Minimum bending radius:	{ up to 15 bends: 120mm (4.7 in) single bend (choke): 60mm (2.3 in)
Temperature:	-45°C to +70°C (-49°F to +158°F)
Capacitance:	101 pF/m ± 2 (30 pF/ft ± 2)
Velocity ratio:	66%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Screening Class:	A++
Inner conductor resistance:	5,8 Ohm/Km (1.8 Ohm/1000ft)
Outer conductor resistance:	11 Ohm/Km (3.4 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight (100m/100ft):	12 Kg (8.1 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	>25 dB
1200-2000 MHz	>25 dB

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	8372 W	430 MHz	628 W
3,5 MHz	6260 W	800 MHz	439 W
7 MHz	4768 W	1000 MHz	386 W
10 MHz	4114 W	1296 MHz	328 W
14 MHz	3600 W	2400 MHz	224 W
21 MHz	3037 W	3000 MHz	195 W
28 MHz	2667 W	4000 MHz	162 W
50 MHz	2033 W	5000 MHz	139 W
100 MHz	1414 W	6000 MHz	123 W
144 MHz	1152 W	7000 MHz	111 W
200 MHz	962 W	8000 MHz	101 W
400 MHz	655 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: MP00120)