

M&P
RG 58 C/U
Mil C17-F



JACKET :
UV-resistant black PVC
overall Ø 5mm ± 0,15
(0.197 inches ± 0.0059)

BRAID: 92% SCREENING
112 wires of **tinned copper**
The braid process is
operated by means of 16
spools braiding machines

DIELECTRIC :
solid polyethylene
overall Ø 2,95 mm ± 0,05 (0.116 inch. ± 0.0019)

INNER CONDUCTOR :
19x0,18mm **tinned copper** wires - overall Ø 0,90mm ± 0,15
(19x0.007 inches - overall Ø 0.035 inches ± 0.0059)

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	2,1	0,6
3,5 MHz	2,9	0,8
7 MHz	3,9	1,1
10 MHz	4,7	1,4
14 MHz	5,6	1,7
21 MHz	6,7	2,0
28 MHz	7,9	2,4
50 MHz	10,8	3,2
100 MHz	15,8	4,8
144 MHz	19,3	5,8
200 MHz	22,1	6,7
400 MHz	33,3	10,1
430 MHz	34,9	10,6
800 MHz	51,1	15,5
1000 MHz	58,0	17,6
1296 MHz	63,0	19,2

ELECTRICAL DATA

Impedence @200Mhz: 50 Ohm ± 3

Minimum bending radius: { up to 15 bends: 50mm (1.97 in)
single bend (choke): 25mm (0.98 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 >55 dB

Screening Class: A++

Inner conductor resistance: 37 Ohm/Km (11.3 Ohm/1000ft)

Outer conductor resistance: 15 Ohm/Km (4.6 Ohm/1000ft)

Tension test (spark test): 4 kV

Net weight (100m/100ft): 3,7 Kg (2,4 lb)

Maximum peak power: 2.000 WATT

Connectors: UHF (PL), N, BNC, SMA, TNC

SRL

0,3-600 MHz >35 dB
600-1200 MHz >30 dB
1200-2000 MHz >30 dB

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.
1,8 MHz	1321 W
3,5 MHz	1138 W
7 MHz	846 W
10 MHz	702 W
14 MHz	589 W
21 MHz	493 W
28 MHz	418 W
50 MHz	306 W
100 MHz	209 W
144 MHz	171 W
200 MHz	149 W
400 MHz	99 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: MP00111)