

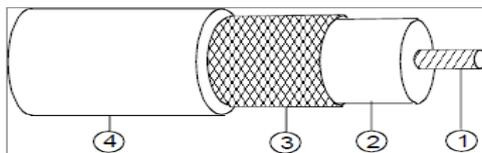
MOONRAKER

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THCHNICAL DATA SHEET

Ref: **RGMINI-8 MILITARY (CU braid)**

50 Ω COAXIAL CABLE-FOR VIDEO SIGNAL TRANSMISSION



CABLE DESCRIPTION:

CONSTRUCTION	
1)INNER CONDUCTOR	Bare copper :19×0.28(+ / - 0.01)mm
2)DIELECTRIC Diameter(mm)	Foam PE 4.0(+ / - 0.1mm)
3)OUTER CONDUCTOR Formation Coverage	Bare copper 16×8×0.12(+ / - 0.008)mm,lay=23(+ / - 3)mm 90%
4)SHEATH Colour Diameter(mm)	PVC(semi pressure extrusion) The sheath has to be removable manually on 2 cm without too much difficulty. ≤20 Newton Black 6.2mm(+ / - 0.15mm)
MARKING	To be difined

ELECTRICAL DATA	
Characteristic impedance at 200 MHz	50±2 OHMS
Capacitance	100±5.6 Pf/m
Insulation resistance at 20 °	> 5000 MOHMS.km
Dielectric withstand at 50 Hz,20mA,1metre, Between conductor and shield,1Min.	> 5000V
Inner Conductor Resistance	<14.6 Ohms/km
Outer Conductor Resistance	<13.7 Ohms/km
Velocity of propagation	85%
Maximum Attenuation at 20 °	
30MHz	5.25dB/100m
50MHz	6.30dB/100m
100MHz	8.91dB/100m
200MHz	12.83dB/100m
400MHz	18.62dB/100m
600MHz	23.25dB/100m
800MHz	27.72dB/100m
1000MHz	31.24dB/100m

Return loss	
30-300MHz	> 22 dB
300-1000MHz	> 20 dB

MECHANICAL DATA	
Temperature range	- 10°C → +80°C
Min.Bending radius	
Fixed laying	30mm
Mobile laying	60mm