

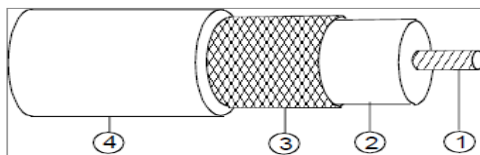
MOONRAKER

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THCHNICAL DATA SHEET

Ref: **RG58 MILITARY (TC braid)**

50 Ω COAXIAL CABLE-FOR VIDEO SIGNAL TRANSMISSION



CABLE DESCRIPTION:

CONSTRUCTION	
1)INNER CONDUCTOR	Stranded Tinned copper :19×0.18(+ / - 0.01)mm
2)DIELECTRIC	Solid PE
Diameter(mm)	3.0(+ / - 0.15mm)
3)OUTER CONDUCTOR	Stranded Tinned copper
Formation	16×6×0.12(+ / - 0.008)mm,lay=21.4(+ / - 3)mm
Coverage	83%
4)SHEATH	PVC(semi pressure extrusion)
	The sheath has to be removable manually on 2 cm without too much difficulty.
	≤20 Newton
Colour	Black
Diameter(mm)	5.1mm(+ / - 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	<40.7 Ohms/km
Outer Conductor Resistance	<25.9 Ohms/km
Velocity of propagation	66%
Maximum Attenuation at 20 °	
30MHz	8.00dB/100m
50MHz	10.90dB/100m
100MHz	17.10dB/100m
200MHz	23.00dB/100m
400MHz	33.80dB/100m
600MHz	42.50dB/100m
800MHz	48.60dB/100m
1000MHz	53.70dB/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