MAGNUM

GENERAL TECHNICAL DATA :

RG 058 CU

50 Ohm RF coaxial cable.

CS	PE	CS	PVC2
19 x 0,1 mm	ø 2,95 mm	ø 3,40 mm	ø 5,00 mm

A	B	C	D

MECHANICAL DATA — DIMENSIONS

A	Tinned copper inner conducto	**CS**	**19 x 0,18 mm**
B	Low density polyethylene dielectri	**PE**	**ø 2,95 ± 0,10 mm**
C	Tinned copper outer conducto Percentage coverage	**CS**	**140 x 0,10 mm** **93%**
D	Non-contaminating polyvinyl-chloride sheat	**PVC2**	**ø 5,00 ± 0,10 mm**

Sheath's colour : **BLACK**

Sheath's printing : **MAGNUM RADIO MIL-C-17F RG 58 C/U 50 Ohm**

Copper weight	**14,9 Kg/Km**
Cable weight	**37,1 Kg/Km**

ELECTRICAL PERFORMANCE

Impedance	**50 ± 3 Ohm**
Capacitance	**100 pF/m**
Velocity ratio	**66%**

SCREENING EFFECTIVENESS dB

100-900 MHz	**>55**
.....-..... MHz	

Inner conductor resistance	**37,5 Ohm/Km**
Outer conductor resistance	**17 Ohm/Km**
Temperature range	**-30 °C / +70 °C**

ATTENUATION dB/100 m

50 MHz	**9,7**
100 MHz	**13,9**
200 MHz	**20,4**
400 MHz	**30**
500 MHz	**34,2**
600 MHz	**37,9**
860 MHz	**46,9**
1000 MHz	**51,8**

STRUCTURAL RETURN LOSS dB

30-300 MHz	**>27**
300-600 MHz	**>23**
600-900 MHz	**>22**

The producer reserves himself to make modification on the item without any notice.