



GENERAL TECHNICAL DATA :

50 Ohm RF coaxial cable.

RG 58 ER

CU	PE	CU	PVC
16 x 0,18 mm	ø 2,85 mm	ø 3,30 mm	ø 5,00 mm

**A****B****C****D****MECHANICAL DATA****DIMENSIONS**

A	Plain copper inner conductor	CU	16 x 0,18 mm
B	Low density polyethylene dielectric	PE	ø 2,85 ± 0,10 mm
C	Plain copper outer conductor Percentage coverage	CU	80 x 0,12 mm 79%
D	Polyvinyl-chloride sheath Sheath's colour : BLACK Sheath's printing :	PVC	ø 5,00 ± 0,10 mm

Copper weight	12,4 Kg/Km
Cable weight	34,4 Kg/Km

ELECTRICAL PERFORMANCE**ATTENUATION dB/100 m**

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

50 MHz	9,8
100 MHz	14,1
200 MHz	20,6
400 MHz	30,4
500 MHz	34,8
600 MHz	38,7
860 MHz	47,9
1000 MHz	52,8

SCREENING EFFECTIVENESS dB

100-900 MHz	>50
.....-..... MHz	

Inner conductor resistance	44 Ohm/Km
Outer conductor resistance	24 Ohm/Km

STRUCTURAL RETURN LOSS dB

Temperature range	-30 °C / +70 °C
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30-300 MHz	>26
300-600 MHz	>25
600-900 MHz	>22

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

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