



### MECHANICAL DATA

### DIMENSIONS

A	Tinned copper inner conductor	CS	7 x 0,40 mm
B	Low density polyethylene dielectric	PE	ø 7,25 ± 0,18 mm
C	Plain copper outer conductor Percentage coverage	CU	192 x 0,18 mm 97%
D	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b>	PVC2	ø 10,3 ± 0,18 mm
E	Zinc-plated steel wire arm Percentage coverage	FE-ZN	144 x 0,24 mm 85%
F	Non-contaminating polyvinyl-chloride sheath Sheath's colour : <b>BLACK</b> Sheath's printing : <b>RAFANSYS M-17/6 RG 12 MIL-C-17F RG 12 AU 75 Ohm</b>	PVC2	ø 14,30 ± 0,20 mm

Copper weight	57 Kg/Km
Cable weight	298,5 Kg/Km

### ELECTRICAL PERFORMANCE

### ATTENUATION dB/100 m

Impedance	75 ± 3 Ohm
Capacitance	67 pF/m
Velocity ratio	66%

50 MHz	4,2
100 MHz	6,2
200 MHz	9,3
400 MHz	13,8
500 MHz	15,5
600 MHz	17,1
860 MHz	21,1
1000 MHz	23,4

### SCREENING EFFECTIVENESS dB

100-900 MHz	>70
.....-..... MHz	

Inner conductor resistance	20,5 Ohm/Km
Outer conductor resistance	4,5 Ohm/Km

### STRUCTURAL RETURN LOSS dB

Temperature range	-30 °C / +70 °C
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30-300 MHz	>30
300-600 MHz	>27
600-900 MHz	>25

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