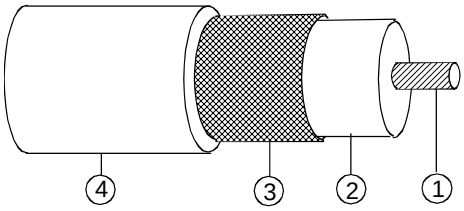
CAEGROUPE

TECHNICAL DATA SHEET 02/12/05

Reference : RG 214 U Ed 2 TM

50 Ω COAXIAL CABLE BASED ON MIL-C-17G





CABLE DESCRIPTION

CONSTRUCTION

1) INNER CONDUCTOR
Silvered copper : 7 x 0,75 mm
Diameter : 2,25 mm

2) DIELECTRIC
Solid polyethylene
Nominal diameter on dielectric : 7,24 mm ± 0,18

3) OUTER CONDUCTOR
Double silvered copper braid
Coverage : 83 % and 88 %
Diameter : 9,14 mm

4) OUTER SHEATH
PVC
Outer diameter : 10,8 mm ± 35

+ Marking text

WEIGHT
202 kg/km

Technical validation of the product

Date :

Signature :

ELECTRICAL DATA

PARAMETER	UNIT	VALUE
CharacteristicImpedance	Ω	50 ± 2
Nominal capacity (800 Hz – 1 GHz)	pF/m	100
Insulation resistance at 20 °C	MΩ.km	> 5000
Dielectric strength at 50 Hz	V	> 10000
Electrical resistance	Ω/km	
Inner conductor		< 5,8
Outer conductor		< 4,8
Velocity of propagation	% of c	66
Attenuation	MHz	dB/100 m
	50	4,8
	100	7,0
	200	10,3
	400	15,4
	800	23,3
	1000	26,6

MECHANICAL DATA

Temperature range	- 10°C → +70°C
Minimum bending radius	100 mm

Any use of the present items out of normal conditions is not guaranteed.
The characteristics related to this document are not contractual, and can be modified without warning.

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