



DATA SHEET	2170008
RG 62 A/U	valid from : 12. 06. 2008

Application

Coaxial cable for EDP- and computer systems as well as the entire field of commercial radio-frequency technology and electronics. Cable design and electrical properties of RG 62 A/U according to **MIL-C 17 F**. Designation according to MIL-C 17 F : M 17/30 – RG 62.
The cable is intended for static laying in dry and damp interiors and outdoor.

Design

Inner conductor	solid bare copper-clad steel wire, 0.64 ± 0.025 mm \varnothing
Insulation	polyethylene air space, (helix of PE-thread with a PE tube over it). 3.71 ± 0.13 mm \varnothing
Outer conductor	bare copper braid, coverage nom. 96 %
Sheath	PVC, black, UV resistant, flame retardant, outer diameter approx. 6.15 ± 0.18 mm \varnothing

Electrical properties at 20°C

DC resistance inner conductor		max. Ω /km	144	
Insulation resistance		min. G Ω xkm	10	
Capacitance at	1 kHz	nom. nF/km	42	
Nominal velocity of propagation		%	83	
Impedance		Ω	93 ± 5	
Acc. to M 17/30				
Attenuation at	1 MHz	dB/100m	nom. 1.0	
	5 MHz	dB/100m	nom. 2.3	
	10 MHz	dB/100m	nom. 3.0	
	20 MHz	dB/100m	nom. 3.9	
	50 MHz	dB/100m	nom. 6.1	
	100 MHz	dB/100m	nom. 9	
	200 MHz	dB/100m	nom. 13	
	400 MHz	dB/100m	nom. 19	max. 26.24
	800 MHz	dB/100m	nom. 30	
	1 GHz	dB/100m	nom. 35	max. 42.65
	2 GHz	dB/100m	nom. 49	
HF voltage, peak value (not for power purposes)		max. kV	0.75	
Working voltage (nominal voltage)	50 Hz	U_{eff} kV	0.8	
Test voltage		U_{eff} kV	2	

Mechanical and thermal properties

Weight		approx. kg/km	57
Minimum bending radius	fixed installation	mm	30
	repeated bendings	mm	120
Permissible temperature range	fixed installation	°C	- 40 bis + 80
	moved	°C	- 10 bis + 80
Fire load		kWh/m	0.14
Flame propagation	flame retardant to IEC 60332-1-2		

RoHS directive This cable confirms to RoHS directive (2002/95/EG)

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