LAPP GROUP	**DATA SHEET**	2170011
	RG 11 A/U outdoor	valid from : 13.07.2010

Application

Coaxial cable for receiver installations in radio communication, video- and computer systems as well as the entire field of commercial radio-frequency technology and electronics. The low attenuation of this 75 Ohms coaxial cable allows high range transmissions. Electrical properties of RG 11 A/U accord. to **MIL-C 17 F**. Cable design accord. to **MIL-C 17 F** with outer sheath additional. The outer sheath can easily stripped off from the inner sheath.
The cable is intended for limited flexible use and for static laying inside and outside as well as for underground burial.

Design

Inner conductor	stranded tinned copper wires, 0.9 mm^2 (7 x 0.4), appr. ∅ 1.2 mm
Insulation	PE (polyethylene) 7.3 mm∅
Outer conductor	bare copper braid, coverage nom. 92 %
inner sheath	PVC, black, UV resistant, flame retardant, 10.3 ± 0.18 mm ∅
Outer sheath	PVC, black, UV resistant, flame retardant, 12.1 ± 0.2 mm ∅

Electrical properties at 20 °C

DC resistance inner conductor		max.Ω/km	21.5	
Insulation resistance		min. GΩxkm	5	
Capacitance at	1 kHz	nom. nF/km	67	
Nominal velocity of propagation		%	66	
Impedance		Ω	75 ± 3	
				Acc. to M 17/6
Attenuation at	1 MHz	dB/100m	nom. 0.7	
	5 MHz	dB/100m	nom. 1.6	
	10 MHz	dB/ 100m	nom. 2.2	
	20 MHz	dB/100m	nom. 3.2	
	50 MHz	dB/100m	nom. 5.0	
	100 MHz	dB /100m	nom. 7.5	
	200 MHz	dB/100m	nom. 11	
	400 MHz	dB/100m	nom. 16	max. 17
	1 GHz	dB/100m	nom. 30	max. 30.84
	2 GHz	dB/100m	nom. 43	
HF voltage, peak value (not for power purposes)		max. kV	3.5	
Working voltage (nominal voltage)	50 Hz	U_{eff} kV	5	
Test voltage		U_{eff} kV	10	

Mechanical and thermal properties

Weight		approx. kg/km	170
Minimum bending radius	fixed installation	mm	65
	repeated bendings	mm	175
Permissible temperatur range	fixed installation	°C	- 40 bis + 80
	moved	°C	- 10 bis + 80
Fire load		kWh/m	0.88
Flame propagation	flame retardant to IEC 60332-1-2		

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