

RG 58 A/U-XLL



RG 58 A/U-XLL is an ultra low loss coaxial cable. The inner conductor consists of stranded bare copper wires and the cable has a double braid shield. The jacket material is flame retardant. All used materials are free of halogens.

MECHANICAL STRUCTURE	
INNER CONDUCTOR	ø1.35 mm (7x0.45) Cu bare
INSULATION	ø3.6 mm PE
OUTER CONDUCTOR	Approx. ø4.3 mm
FOIL	Aluminium
BRAIDING	Cu-tinned
COVERAGE	65 %
JACKET	ø5.35 ± 0.15 mm

ELECTRICAL VALUES	
IMPEDANCE	50 ± 3 Ω
CAPACITANCE	80 ± 3 pF/m
VELOCITY RATIO	0.81
INNER CONDUCTOR	<17 Ω/km
OUTER CONDUCTOR	<20 Ω/km
RETURN LOSS [dB]	
1 - 2 GHz	>20 dB
2 - 2.5 GHz	>18 dB

ATTENUATION		
FREQUENCY	[dB/100m]	Max. HF-power/W
50 MHz	7.4	
100 MHz	10.0	
200 MHz	13.9	
400 MHz	20.4	
500 MHz	23.0	160
870 MHz	31.2	
1000 MHz	33.8	110
1400 MHz	40.8	
1600 MHz	44.0	
1800 MHz	47.2	
1900 MHz	49.3	
2000 MHz	51.3	76
2500 MHz	57.2	
3000 MHz	63.6	
3500 MHz	69.6	

MECHANICAL VALUES	
WEIGHT	Approx. 39 [kg/km]
MIN. BENDING RADIUS	60 mm
TEMP. RANGE	-25°C → +90°C



PROCOM A/S reserve the right to amend specifications without prior notice.
22/08/13

Screening Effect(62153-4-4 Ed.1) RG58XLL

300.0 kHz - 3.0 GHz

