



COAXIAL CABLES – 75 Ω - PE SHEATHED

APPLICATION:

These 75 ohm cables used as connection cable in CATV, CCTV and satellite and common antenna TV systems for which low attenuation is demanded. These PE sheathed cables can be used at outdoor applications.



RG TYPE CONSTRUCTOIN	RG 59/ U-4 F	RG 59/ U-6 F	RG 6/ U-4 F	RG 6/ U-6 F	RG 11/ U-4 F	RG 11/ U-6 F
Inner Conductor (mm) Ø	0,80 Cu	0,80 Cu	1,0 Cu	1,0 Cu	1,63 Cu	1,63 Cu
Insulation (mm) Ø	FPE 3,66	FPE 3,66	FPE 4,57	FPE 4,57	FPE 7,10	FPE 7,10
Outer Conductor	AL-PES	Cu-PES	AL-PES	Cu-PES	AL-PES	Cu-PES
Braid	%55 SnCu	%55 Cu	%55 SnCu	%55 Cu	%55 SnCu	%55 Cu
Outer sheath Colour	PE Black	PE Black	PE Black	PE Black	PE Black	PE Black
Outer Diameter (mm)	5,80	5,80	6,80	6,80	10,10	10,10
Part number	1304 04 059	1304 06 059	1304 04 006	1304 06 006	1304 04 011	1304 04 011

Impedance (ohm)	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Propagation velocity ratio	0,82	0,82	0,82	0,82	0,82	0,82
Insulation resistance (Mohm.km)	> 2000	> 2000	> 2000	> 2000	> 2000	> 2000
Capacitance(pF/m)	54	54	54	54	54	54
Attenuation (20°C)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
100 MHz	8	7,9	7	6,8	4,6	4,4
200 MHz	11,5	11,3	9,7	9,5	6,7	6,4
400 MHz	17,1	16,8	14,1	13,8	8,7	8,5
600 MHz	21,2	20,8	16,9	16,7	11,2	11,0
800 MHz	23,6	23,2	19,6	18,9	13,3	12,8
1000 MHz	26,6	26,1	22,4	21,9	14,6	14,3
1350 MHz	31,3	30,8	26,1	25,6	17,8	17,2
1750 MHz	35,8	35,3	29,3	28,5	20,5	19,8
2150 MHz	40,3	39,2	32,4	31,6	23,1	22,0
Oper. Voltage	1,1 kV	1,1 kV	1,3 kV	1,3 kV	2,0 kV	2,0 kV
Test Vol.	2,5 kV	2,5 kV	3,0 kV	3,0 kV	5,0 kV	5,0 kV
Min. Bending Radius (mm)	10xD	10xD	10xD	10xD	15xD	15xD
Temperature Range	-40 +70°C	-40°C +70°C	-40°C +70°C	-40°C +70°C	-40°C +70°C	-40°C +70°C

PE : Polyethylene
Cu : Plain Copper
SnCu : Tinned Copper

AL-PES :Aluminium Polyester Tape
Cu-PES: Copper coated polyester Tape
FPE :Physical Foam Polyethylene