

**75 Ohm - coax cable - PVC**

- 75 Ohm characteristic impedance

PVC

This standard 75 Ω coaxial cable is designed for connecting transmitter and receiver systems and other HF equipment. Its CCS inner conductor with 0.58 mm diameter comprises a copper-clad solid steel wire with extremely high tensile strength and is enclosed in a polyethylene dielectric medium. An ultra-dense copper shield protects against electromagnetic scattering.

construction

inner conductor	copper covered steel, 1x $\varnothing$ 0.58 mm
insulation	PE, $\varnothing$ 3.7 mm
shielding	bare copper braid, 94% coverage
overall diameter	6.15 mm

mechanics

min. bending radius	30 mm
working temperature	-20°C / +70°C

electric

characteristic impedance	75 $\Omega \pm 2\%$
capacitance	67 pF/m
velocity of propagation	66 %
DC resistance	
inner conductor	155 Ω /km
outer conductor	9 Ω /km
attenuation [dB/100m]	
50 MHz	7.7
100 MHz	11.0
200 MHz	15.9
800 MHz	34.2
1000 MHz	38.9

order code	outer jacket	working temperature	colour	weight kg	standard lengths m
RG059-Y	PVC	-20°C / +70°C	black	0.05	50 / 100 / 200 / 300

technical specifications are subject to change