

**50 Ohm - coax cable RG58C/U - FRNC**

- 50 Ohm characteristic impedance
- flame retardant and non corrosive (FRNC)
- CPR class Eca

FRNC

Eca

This 50 Ω coaxial cable transmits high-frequency signals and is the standard cable for connecting receiving antennas of wireless microphones over medium distances. Please observe the technical specifications of your wireless transmission system with respect to maximum transmission distance. The inner conductor comprises a flexible tinned copper wire with polyethylene dielectric medium. The extra-densely woven copper shield provides effective protection against electromagnetic scattering. The cable is available with an outer jacket of FRNC - the latter flame-retardant and halogen-free material is particularly recommended for installations.

construction

inner conductor	tinned copper braid, 19 x 0.18 mm
insulation	PE, \varnothing 2.95 mm
shielding	tinned copper braid, 92% coverage
overall diameter	5.0 mm

mechanics

min. bending radius	25 mm
working temperature	-30°C / +70°C

electric

characteristic impedance	50 \pm 2 Ω
capacitance	100 pF/m
velocity of propagation	66 %
DC resistance	
inner conductor	38 Ω /km
outer conductor	17 Ω /km
attenuation [dB/100m]	
50 MHz	10.4
100 MHz	15.0
200 MHz	21.9
400 MHz	32.2
800 MHz	48.1
1000 MHz	54.8

order code	outer jacket	working temperature	colour	weight [kg/m]
RG058-HB	FRNC	-30°C / +70°C	black	0,038

technical specifications are subject to change