



50 Ohm - coax cable RG58C/U

FRNC - Eca

- 50 Ohm characteristic impedance
- tinned copper braid shield
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575

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 stranded tinned copper, 19 x 0.18 mm
 insulation PE, Ø 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

velocity of propagation 66 %
 DC resistance
 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	ref. type	outer jacket	working temperature	cable color	weight kg/m	standard lengths m
RG058-HB	RG58C/U	FRNC	-30°C / +70°C	black	0.04	30 / 50 / 100 / 200 / 300

technical specifications are subject to change