



# RG58 C/U 50 Ω

MIL-C-17F; MIL-C-17G 94% Braid LSZH FireFighter®

## Application

RG58C/U 50 Ohm coaxial cable used for low-power signal and RF connections. Manufactured in compliance with MIL-C-17 standards.



## Cable Design

Conductor	Stranded tinned copper wire (19/0,18 mm)	Ø 0,90 mm
Dielectric	Solid Polyethylene (PE)	Ø 2,95 mm
Braid	Tinned copper wire braid, 94% coverage	
Outer Jacket	LSZH FireFighter® UV-resistant	Ø 4,95 ± 0,15 mm

## Mechanical and Thermal Characteristics

Operating Temperature	-40°C up to +85°C
Min. Bending Radius for Installation	50 mm
Fire Propagation	acc. to IEC 60332-1

## Electrical Data

Max. Conductor DC resistance at 20°C	38,4	Ohm/km
Max. Insulation DC resistance at 20°C	> 500	MOhm*km
Rated Voltage	30	V
Capacitance	100±3	pF/m
Velocity ratio	66	%
Impedance	50±2	Ohm
Transfer Impedance at 3 MHz	36	mOhm/m
Operating Voltage	2,0	kV rms
Test Voltage	4,5	kV rms
Sheath sparking test	4,0	kV



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## Attenuation & Max. Power Rating

Frequency (MHz)	Attenuation (dB/100m)	Max. Power Rating @20°C (Watts)
10	5,08	750
100	16,00	230
200	22,49	180
400	32,79	110
1000	55,08	65

## Return Loss

Frequency (MHz)	dB
50 - 100	> 28
100 - 300	> 27
300 - 500	> 26
500 - 1000	> 25