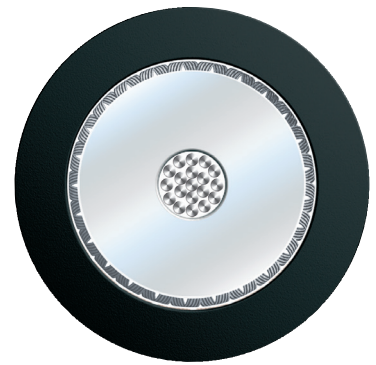


RG58 C/U 50 Ω

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



Application

RG58 C/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. Inner Conductor DC resistance at 20°C	<	40	Ohm/km
Max. Outer Conductor DC resistance at 20°C	<	16	Ohm/km
Max. Insulation DC resistance at 20°C	>	500	MOhm*km
Capacitance		100±3	pF/m
Velocity ratio		66	%
Impedance		50±2	Ohm
Nom. Delay		5,05	ns/m
Nom. Inductance		0,194	µH/m
Peak Power		16	kW
Transfer Impedance at 3 MHz		36	mOhm/m
Dielectric Strength		1,5	kV rms
Operating Voltage		1,4	kV rms
Test Voltage		4,5	kV rms
Sheath sparking test		4,0	kV



RG58 C/U 50 Ω

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

Attenuation & Max. Power Rating

Frequency (MHz)	Attenuation (dB/100m)	Max. Power Rating @ 20 °C (Watts)
10	5,08	750
100	15,8	120
200	23,1	100
400	34,5	92
650	43,5	75
1000	58,5	56
2000	92,6	35

Return Loss

Frequency (MHz)	dB
30 - 1000	> 25
1000 - 2000	> 22

Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.