

RG214/U 50 Ω

MIL-C-17G 98% Braid LSZH FireFighter®



Cable Design

Conductor	Stranded silvered copper wire
Stranding	7/0,75 mm
Dielectric	Solid Polyethylene (PE)
Diameter	Ø 7,25 ± 0,18 mm
Braid 1°	Silvered copper braid
Construction	144x0,16 mm
Coverage	96 %
Braid 2°	Silvered copper braid
Construction	168x0,16 mm
Coverage	98 %
Tape	Non-Migrating Polyester tape
Outer Jacket	LSZH FireFighter® - UV Resistant
Diameter	Ø 10,80 ± 0,18 mm
Colour	Black



Mechanical and Thermal Characteristics

Temperature Range	-30 °C up to +70 °C
Minium Bending Radius	single 5 x Ø, repeated 10 x Ø
Weight	209.6 kg/km

Electrical Data

Inner Conductor Resistance	6,0	Ohm/km
Braid Resistance	4,2	Ohm/km
Impedance	50±2	Ohm
Capacitance	100	pF/m
Velocity ratio	66	%
Tenison - Sheath sparking test	5,5	kV
Screening effectiveness 100-900 MHz	>	78 dB

RG214/U 50 Ω

MIL-C-17G 98% Braid LSZH FireFighter®

Attenuation

Frequency (MHz)	MIL-C-17G [dB/100m]	Nominal [dB/100m]
5	-	1,3
10	-	1,9
50	5,6	4,5
100	8,2	6,7
200	-	9,9
400	18,0	14,3
500	-	16,1
600	23,0	17,8
800	-	21,3
1000	29,5	24,3
1350	-	29,7
1500	32,1	31,7
1750	40,0	35,2
2150	-	40,5
2250	-	41,5
2500	44,3	44,7
2750	-	47,9
3000	62,3	51,3

Structural Return Loss

Frequency (MHz)	MIL-C-17G [dB/100m]	Nominal [dB/100m]
30 - 300	> 22	> 28
300 - 600	> 20	> 26
600 - 1000	> 20	> 25
1000 - 2000	> 19,5	> 22
2000 - 3000	> 19	> 20

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.