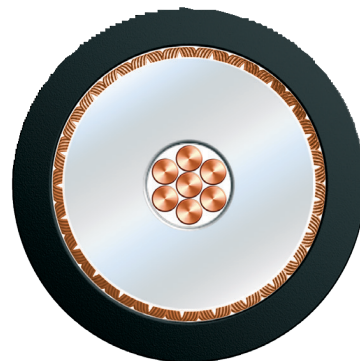


# RG213/U 50Ω

MIL-C-17F 97% Braid (LSZH)



## Cable Design

Conductor	Stranded bare copper wire
Stranding	7/0,75 mm
Dielectric	Solid Polyethylene (PE)
Diameter	Ø 7,25 ± 0,18 mm
Braid	Bare copper wire braid
Construction	192x0,18 mm
Coverage	97 %
Outer Jacket	LSZH FireFighter® UV-resistant
Diameter	Ø 10,30 ± 0,18 mm
Colour	Black

## Mechanical and Thermal Characteristics

Temperature Range	-30°C up to +70°C
Min. Bending Radius	single 5 x Ø, repeated 10 x Ø
Weight	165,7 kg/km

## Electrical Data

Inner Conductor DC	6,0	Ohm/km
Outer Conductor DC	4,4	Ohm/km
Impedance	50±3	Ohm
Capacitance	100	pF/m
Velocity ratio	66	%
Operating Voltage	4,0	kV rms
Test Voltage	9,0	kV rms
Sheath sparking test	5,5	kV
Screening effectiveness 100-900 MHz	> 55	dB



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## Attenuation

Frequency (MHz)	dB/100m
5	1,2
10	1,8
50	4,3
100	6,4
200	9,5
400	13,7
500	15,3
600	16,9
800	20,4

Frequency (MHz)	dB/100m
1000	23,2
1350	28,4
1500	30,4
1750	33,7
2150	38,9
2250	39,7
2500	42,7
2750	45,7
3000	48,9

## Structural Return Loss

Frequency (MHz)	dB
30 - 300	> 31
300 - 600	> 28
600 - 1000	> 27
1000 - 2000	> 24
2000 - 3000	> 22

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