

# RG223/U 50Ω MIL-C-17F 98% Braid LSZH FireFighter®

## Cable Design *50 Ω Coaxial*

<b>Conductor</b>	Solid silvered copper
Stranding	1/0,90 mm
<b>Dielectric</b>	Solid Polyethylene (PE)
Diameter	Ø 2,95 ± 0,10 mm
<b>Braid 1°</b>	Silvered copper braid
Construction	112x0,30 mm
Coverage	98 %
<b>Braid 2°</b>	Silvered copper braid
Construction	112x0,30 mm
Coverage	97 %
<b>Outer Jacket</b>	LSZH FireFighter®
Diameter	Ø 5,40 ± 0,10 mm
Colour	Black



## Mechanical and Thermal Characteristics

Temperature Range	-30°C up to +70°C
Weight	59.9 kg/km
Fire Behaviour	IEC 60332-1-2, IEC 60332-3-24C, IEC 61034-2, IEC 60754-1/2

## Electrical Data

Inner Conductor DC	28,0	Ohm/km
Outer Conductor DC	8,0	MOhm*km
Impedance	50±2	Ohm
Capacitance	100	pF/m
Velocity ratio	66	%
Screening effectiveness 100-900 MHz	> 70	dB

## Attenuation

Frequency (MHz)	dB/100m
50	9,0
100	13,0
200	19,3
400	28,1
500	31,9
600	35,3
860	43,8
1000	48,5

## Structural Return Loss

Frequency (MHz)	dB
30 - 300	> 32
300 - 600	> 28
600 - 900	> 23