

RG223/U 50 Ω

DataGuard® Armoured (SWA) MIL-C-17F 98% Braid LSZH FireFighter®

Cable Design

Conductor Stranding	Solid silvered copper 1/0,90 mm
Dielectric Diameter	Solid Polyethylene (PE) Ø 2,95 ± 0,10 mm
Braid 1° Construction Coverage	Silvered copper braid 112x0,30 mm 98 %
Braid 2° Construction Coverage	Silvered copper braid 112x0,30 mm 97 %
Inner Jacket Diameter	LSZH FireFighter®, Black Ø 5,40 ± 0,10 mm
Armour	DataGuard Steel Wire Armour (SWA)
Outer Jacket Diameter	LSZH FireFighter®, Black Ø 9,20 ± 0,50 mm

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



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Mechanical and Thermal Characteristics

Temperature Range	-30°C up to +70°C
Weight	250 kg/km
Fire Behaviour	IEC 60332-1-2, IEC 60332-3-24C, IEC 61034-2, IEC 60754-1/2

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

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