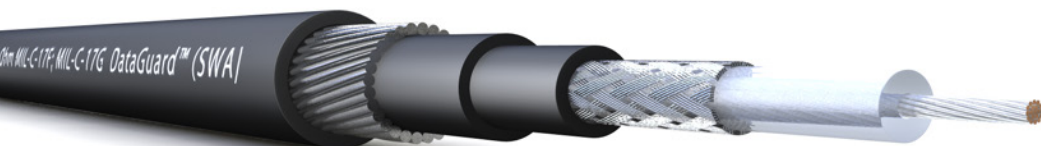


RG58C/U 50 Ω MIL-C-17F; MIL-C-17G DataGuard™ (SWA) LSZH FireFighter™



Cable Construction	
Inner Conductor	Stranded tinned copper, 19x0.18 ± 0.008mm, Ø 0.90mm
Dielectric	Solid Polyethylene, Ø 2.95mm
Braid	Tinned copper braid, TC0.12±0.005x16x7
Braid coverage	94 %
Inner Jacket	LSZH FireFighter™, Black, Ø 4.95 ± 0.15mm
Intermediate Jacket	LSZH FireFighter™, Black, Ø 6.5 mm
Armour	DataGuard™ Steel Wire Armour (SWA)
Outer Jacket	LSZH FireFighter™, Black, Ø 11.30 ± 0.4mm

Mechanical and Thermal Characteristics	
Operating Temperature	-40°C up to +85°C
Fire Propagation	acc. to IEC 60332-1

Electrical Characteristics		
Max. Conductor DC resistance at 20°C		38.4 Ω/km
Min. Insulation DC resistance at 20°C		> 500 MΩ*km
Rated Temperature		80°C
Rated Voltage		30 V
Capacitance		100 ± 5 pF/m
Velocity ratio		66 %
Impedance		50 ± 2 Ω
Transfer Impedance at 3 MHz		36 mΩ/m
Attenuation at 20°C ± 8 %	10 MHz	4.20 dB/100m
	100 MHz	15.70 dB/100m
	200 MHz	23.00 dB/100m
	400 MHz	34.50 dB/100m
	1000 MHz	60.00 dB/100m
Maximum Power Rating at 20°C	10 MHz	750 W
	100 MHz	230 W
	200 MHz	180 W
	400 MHz	110 W
	1000 MHz	65 W
Return loss	50 - 100 MHz	> 28 dB
	100 - 300 MHz	> 27 dB
	300 - 500 MHz	> 26 dB
	500 - 1000 MHz	> 25 dB