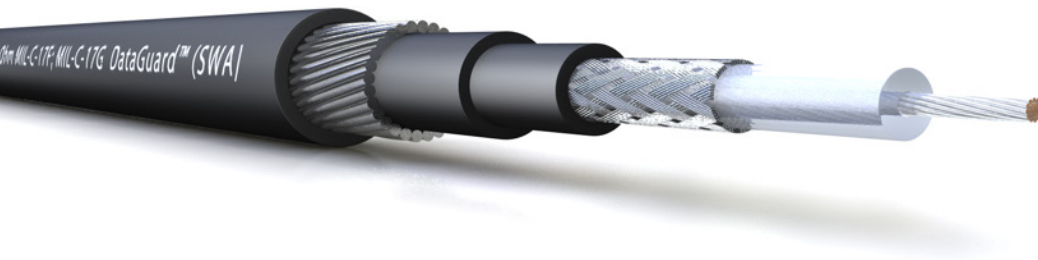


RG58C/U 50 Ω MIL-C-17F; MIL-C-17G DataGuard™ (SWA) LSZH FireFighter™



Cable Construction		Electrical Characteristics	
Inner Conductor	Stranded tinned copper, 19x0.18 ± 0.008mm, Ø 0.90mm	Max. Conductor DC resistance at 20°C	38.4 Ω/km
Dielectric	Solid Polyethylene, Ø 2.95mm	Min. Insulation DC resistance at 20°C	> 500 MΩ*km
Braid	Tinned copper braid, TC0.12±0.005x16x7	Rated Temperature	80°C
Braid coverage	94 %	Rated Voltage	30 V
Inner Jacket	LSZH FireFighter™, Black, Ø 4.95 ± 0.15mm	Capacitance	100 ± 5 pF/m
Intermediate Jacket	LSZH FireFighter™, Black, Ø 6.5 mm	Velocity ratio	66 %
Armour	DataGuard™ Steel Wire Armour (SWA)	Impedance	50 ± 2 Ω
Outer Jacket	LSZH FireFighter™, Black, Ø 11.30 ± 0.4mm	Transfer Impedance at 3 MHz	36 mΩ/m
Mechanical and Thermal Characteristics			
Operating Temperature	-40°C up to +85°C	Attenuation at 20°C ± 8 %	10 MHz 4.20 dB/100m
Fire Propagation	acc. to IEC 60332-1		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