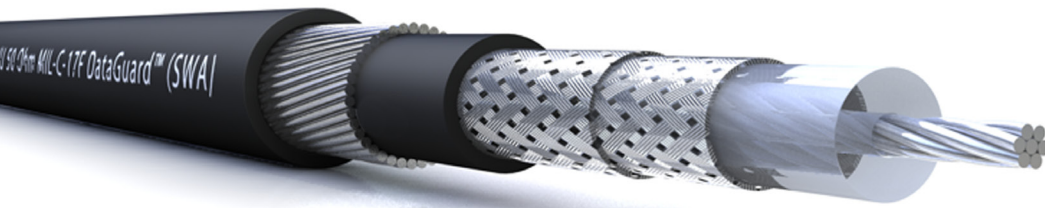


# RG214/U 50 Ω MIL-C-17F DataGuard™ (SWA) LSZH FireFighter™



Cable Construction		Electrical Characteristics		
Inner Conductor	Silvered copper, 7x0.75mm	Inner conductor resistance	6 Ohm/km	
Dielectric	Solid Polyethylene, Ø 7.25 ± 0.18mm	Outer conductor resistance	3.1 Ohm/km	
Braid 1°	Silvered copper braid, SC 144x0.16mm, 96% coverage	Impedance	50 ± 2 Ohm	
Braid 2°	Silvered copper braid, SC 168x0.16mm, 98% coverage	Capacitance	100 pF/m	
Inner Jacket	LSZH FireFighter™, Black, Ø 10.8 ± 0.18mm	Velocity ratio	66 %	
Armour	DataGuard™ Steel Wire Armour (SWA)	Screening effectiveness	100 - 900 MHz	> 70 dB
Outer Jacket	LSZH FireFighter™, Black, Ø 14.8 ± 0.20mm	Attenuation	50 MHz	4.7 dB/100m
			100 MHz	7.1 dB/100m
			200 MHz	10.4 dB/100m
			400 MHz	15.2 dB/100m
			500 MHz	17.4 dB/100m
			600 MHz	19.2 dB/100m
		860 MHz	23.9 dB/100m	
		1000 MHz	26.2 dB/100m	
		Structural return loss	30 - 300 MHz	> 30 dB
			300 - 600 MHz	> 29 dB
			600 - 900 MHz	> 27 dB
Thermal Characteristics				
Temperature range	-30°C up to +70°C			