

RG6 Dataguard™ Armoured SHF-1



Mechanical Characteristics

Inner Conductor:	Bare Copper Wire 1/1.0mm
Dielectric:	Foam PE
Screen:	Bare Copper Tape Screen
Braid:	Bare Copper Braid Coverage 55 ± 2%
Inner Sheath:	Black LSZH HFFR (Firefighter™)
Armour:	Galvanised Steel Wire Armour (Dataguard™)
Outer Sheath:	Black UV-Resistant LSZH HFFR (Firefighter™)
Inner Sheath Diameter:	6.50 ± 0.10mm
Outer Sheath Diameter:	9.70 ± 0.20mm
Temperature Range:	-30°C to +70°C
Min. Bend Radius:	5 X OD (Fixed) 10 X OD (Flexible)

*Cable image and colours are for illustration purposes only and may vary.

Electrical Characteristics

Resistance Inner Conductor:	22.5 Ω/km
Resistance Outer Conductor:	14.2 Ω/km
Characteristic Impedance:	75Ω
Capacitance:	54pF/m
Velocity Of Propagation:	82%
Structural Return Loss:	
5-4600MHz	> 23dB
460-860MHz	> 20dB
860-2150MHz	> 18dB

Application

Armoured RG6 cable with UV-resistant LSZH outer sheath suitable for ships and marine environments.

Standards

MIL-C-17F
 IEC 60092-359.SHF-1
 IEC 60332-1
 IEC 60332-3
 IEC 60754-1/2
 IEC 61034-1/2

Attenuation

MHz	dB/100m
5	1.6
50	4.1
100	5.8
200	8.4
300	10.3
460	12.8
860	18.0
1000	19.6
1350	22.9
1750	26.3
2150	29.9