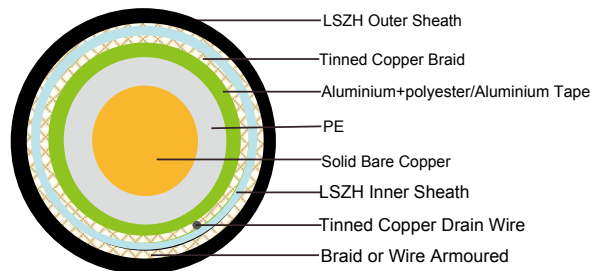


Flame Retardant RG6 A/U CWB/SWB/SWA Armoured Coaxial Cables



APPLICATION

These 75Ω coaxial cables are suitable for installation on board of ships and other indoor marine environments.

STANDARDS

Basic design adapted to MIL-C-17

FIRE PERFORMANCE

Flame Retardance (Single Vertical Wire Test)	EN 60332-1-2; IEC 60332-1-2; BS EN 60332-1-2; VDE 0482-332-1 ; NBN C 30-004 (cat. F1); NF C32-070-2.1(C2); CEI 20-35/1-2; EN 50265-2-1*; DIN VDE 0482-265-2-1*
Reduced Fire Propagation (Vertically-mounted bundled wires & cable test)	EN 60332-3-24 (cat. C); IEC 60332-3-24; BS EN 60332-3-24; VDE 0482-332-3; NBN C 30-004 (cat. F2); NF C32-070-2.2(C1); CEI 20-22/3-4; EN 50266-2-4*; DIN VDE 0482-266-2-4
Halogen Free	IEC 60754-1; EN 50267-2-1; DIN VDE 0482-267-2-1; CEI 20-37/2-1 ; BS 6425-1*
No Corrosive Gas Emission	IEC 60754-2; EN 50267-2-2; DIN VDE 0482-267-2-2; CEI 20-37/2-2 ; BS 6425-2*
Minimum Smoke Emission	IEC 61034-1&2; EN 61034 -1&2; DIN VDE 0482-1034-1&2; CEI 20-37/3-1&2; EN 50268-1&2*; BS 7622-1&2*
No Toxic gases	NES 02-713; NF C 20-454

Note: Asterisk * denotes superseded standard.

CABLE CONSTRUCTION

Conductors: 18AWG solid bare copper.

Insulation: PE compound.

Screen1: Aluminium/polyester or aluminium tape.

Screen2: Tinned copper braid.

Inner Sheath: Low smoke and halogen-free polyolefin, coloured black.

Armour:

CWB: Copper Wire Braid

SWB: Steel Wire Braid

SWA: Steel Wire Armour



Outer Sheath: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1 (Thermosetting LSZH compound type SW2-SW4 as per BS 7655:section 2.6 can be offered.). UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option.

PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -30°C - +75°C

Minimum Bending Radius: 15 X Overall Diameter

ELECTRICAL PROPERTIES

AWG		18
Nominal Conductor Diameter	mm	1.0
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	6.9
Nominal Attenuation@200MHz	dB/100m	9.0
Nominal Attenuation@300MHz	dB/100m	11.8
Nominal Attenuation@400MHz	dB/100m	13.1
Nominal Attenuation@500MHz	dB/100m	15.4
Nominal Attenuation@900MHz	dB/100m	21.5
Nominal Attenuation@1700MHz	dB/100m	29.4
Capacitance	pF/m	53.5
Velocity of Propagation	%	83
Conductor DCR	Ω/km	21.4
Shield DCR	Ω/km	7.5
Inductance	μH/m	0.32
Time Delay	ns/m	4