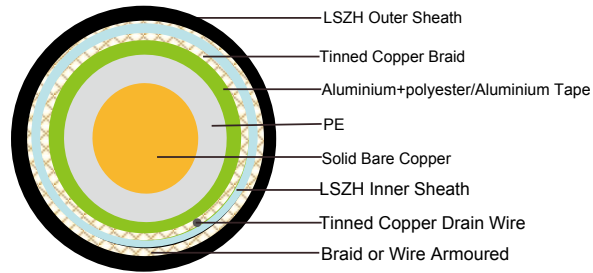
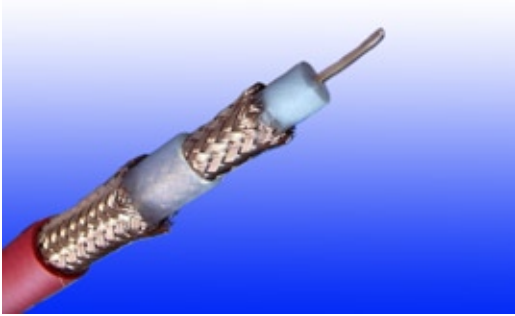


## Flame Retardant RG59 B/U CWB/SWB/SWA Armoured Coaxial cables



### 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Note: Asterisk \* denotes superseded standard.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:** 20AWG 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.

**Armouring:**

**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 7655-2.6 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		20
Nominal Conductor Diameter	mm	0.58
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	7.6
Nominal Attenuation@270MHz	dB/100m	12.5
Nominal Attenuation@540MHz	dB/100m	17.9
Nominal Attenuation@720MHz	dB/100m	20.9
Nominal Attenuation@750MHz	dB/100m	21.3
Nominal Attenuation@1000MHz	dB/100m	24.9
Capacitance	pF/m	53.5
Velocity of Propagation	%	83
Conductor DCR	Ω/km	32.8
Shield DCR	Ω/km	12.5
Inductance	μH/m	0.318
Time Delay	ns/m	4.0

## CONSTRUCTION PARAMETERS

Cable Code	Nominal Inner Conductor Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Nominal Overall Diameter	Nominal Weight
	mm	mm	mm	mm	kg/km
FTX-RG59 CWB	0.58	1.4	1.2	9.78	146
FTX-RG59 SWB	0.58	1.4	1.2	9.78	114
FTX-RG59 SWA	0.58	1.4	1.2	10.8	220



300/500V

Rated Voltage



MIL-C-17

Standard



Flame Retardancy  
NF C32-070-2.1(C2)  
IEC60332-1-2/EN50265-2-1



Reduced Fire Propagation  
NF C32-070-2.2(C1)  
IEC60332-3-24  
EN50266-2-4



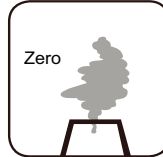
Low Toxicity  
NES 02-713/NF C 20-454



Low Corrosivity  
IEC60754-2  
EN50267-2-2/3  
NF C 32-074



Low Smoke Emission  
IEC 61034-1&2  
EN 50268-1&2/NF C32-073



Halogen Free  
IEC60754-1  
EN50267-2-1