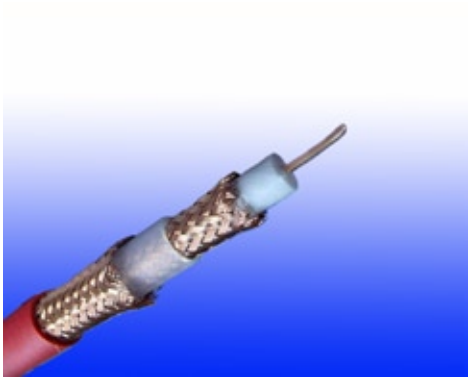
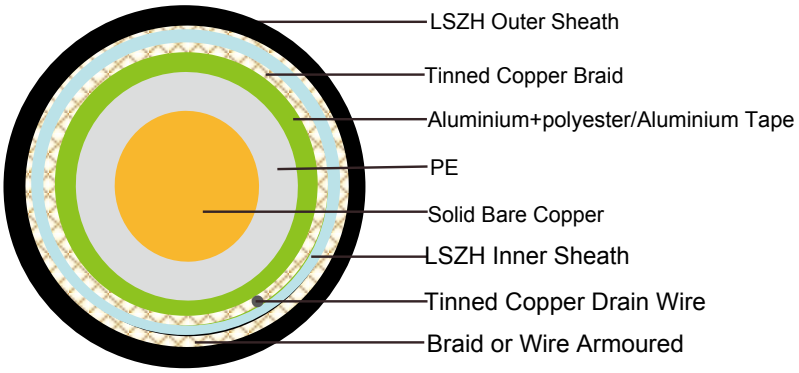
Flame Retardant RG11 A/U CWB/SWB/SWA Armoured Coaxial Cables





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Note: Asterisk * denotes superseded standard.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: 14AWG solid bare copper.
Insulation: Low density 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

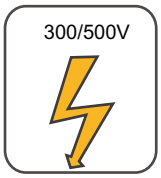
Temperature range during operation (fixed state): -30°C - +75°C
Minimum bending radius: 15 x Overall Diameter

ELECTRICAL PROPERTIES

AWG		14
Nominal Conductor Diameter	mm	1.6
Impedance	Ω	75+/-5
Nominal Attenuation@100MHz	dB/100m	4.5
Nominal Attenuation@270MHz	dB/100m	7.6
Nominal Attenuation@540MHz	dB/100m	10.8
Nominal Attenuation@750MHz	dB/100m	12.8
Nominal Attenuation@1000MHz	dB/100m	14.8
Capacitance	pF/m	53.5
Velocity of Propagation	%	83
Conductor DCR	Ω/km	8.5
Shield DCR	Ω/km	12.1
Inductance	µH/m	0.32
Time Delay	ns/m	4

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-RG11 A/U CWB	1.6	2.7	1.7	15.2	349
FTX-RG11 A/U SWB	1.6	2.7	1.7	15.2	344
FTX-RG11 A/U SWA	1.6	2.7	1.7	16.2	468



Rated Voltage

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