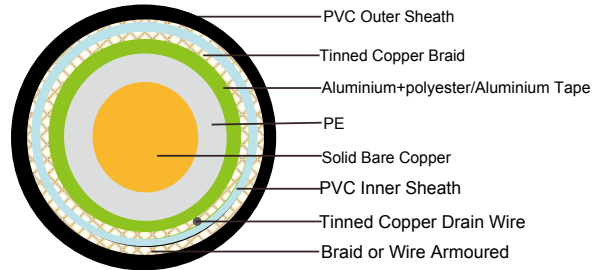
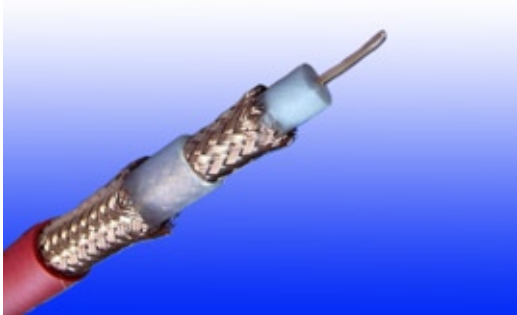


Flame Retardant RG59 B/U CWB/SWB/SWA Armoured Coaxial Cables



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

Note: Asterisk ** denotes that the standard compliance is optional, depending on the oxygen index of the PVC compound and the cable design.

CABLE CONSTRUCTION

Conductors: 20AWG solid bare copper.

Insulation: PE compound.

Screen1: Aluminium/polyester or aluminium tape.

Screen2: Tinned copper braid.

Inner Sheath: PVC compound.

Armouring:

CWB: Copper Wire Braid

SWB: Steel Wire Braid

SWA: Steel Wire Armour

Outer Sheath: Thermoplastic PVC compound. UV resistance, hydrocarbon resistance, oil resistance, anti rodent and anti termite properties can be offered as option. Compliance to fire performance standard (IEC 60332-1, IEC 60332-3, UL 1581, UL 1666 etc) depends on the oxygen index of the



PVC compound and the overall cable design. LSPVC can also be provided upon request.

PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -30°C - +75°C

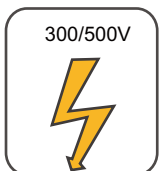
Minimum Bending Radius: 15 X Overall Diameter

ELECTRICAL PROPERTIES

AWG		20
Nominal Conductor Diameter	mm	0.8
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 Outer Sheath Thickness	Nominal Overall Diameter	Nominal Weight
	mm	mm	mm	mm	kg/km
FGD-RG59 B/U CWB	0.58	1.4	1.2	9.78	146
FGD-RG59 B/U SWB	0.58	1.4	1.2	9.78	114
FGD-RG59 B/U 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