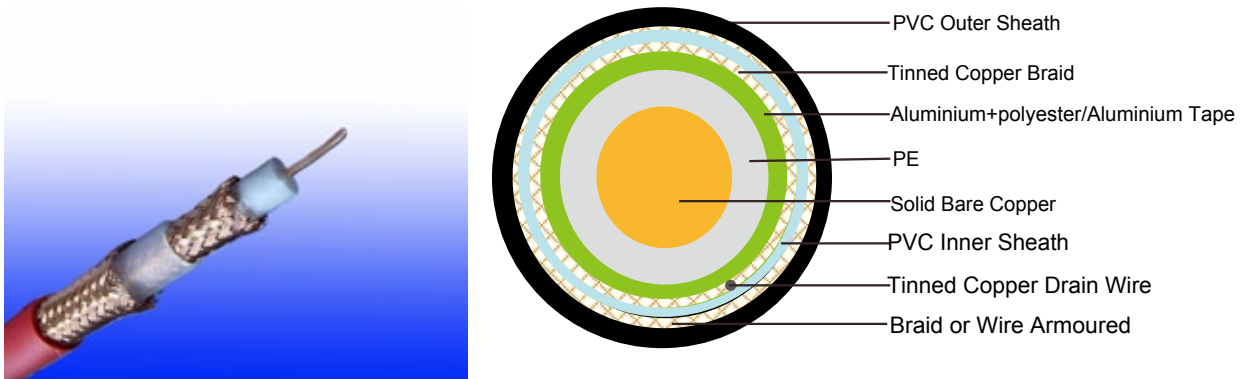


## Flame Retardant RG11 A/U CWB/SWB/SWA Armoured Coaxial Cables



### 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

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:** 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 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 during operation (fixed state): -30°C - +75°C

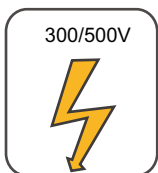
Minimum bending radius: 15 x Overall Diameter

### 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
FGD RG11 A/U CWB	1.6	2.7	1.7	15.2	349
FGD RG11 A/U SWB	1.6	2.7	1.7	15.2	344
FGD RG11 A/U SWA	1.6	2.7	1.7	16.2	468



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