

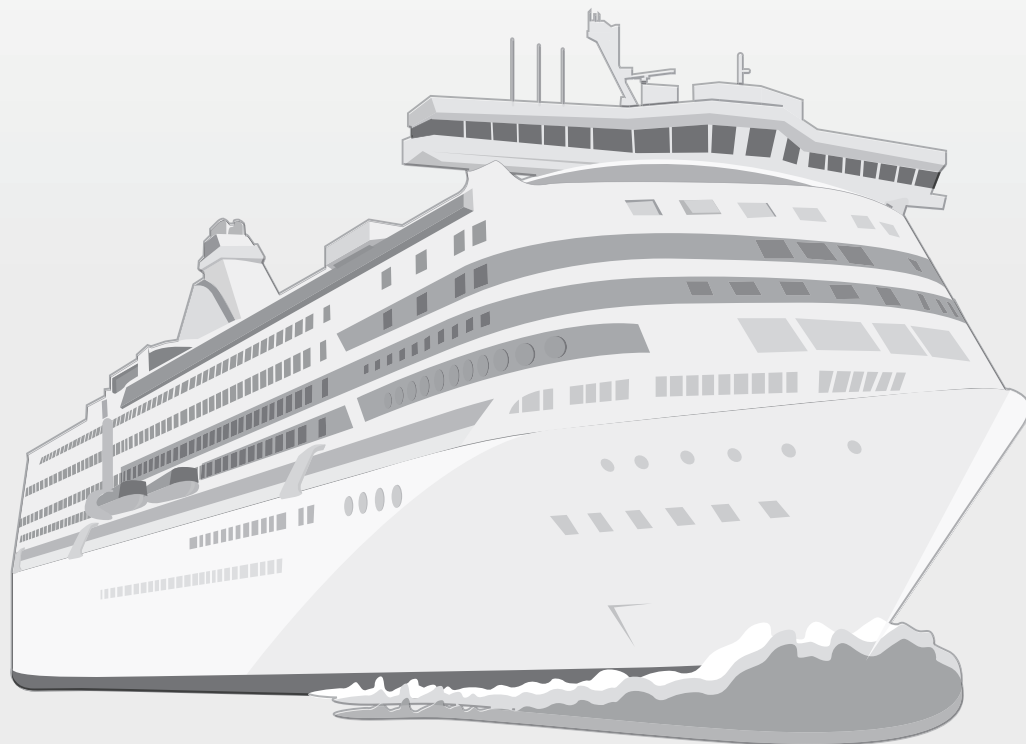


**Caledonian**

## **Caledonian Offshore & Marine Cables**



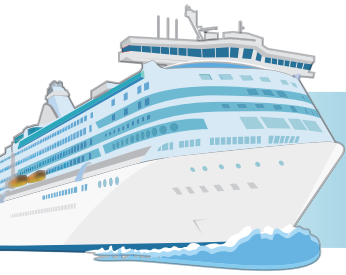
**BS 6883 STANDARD  
(Flame Retardant)  
BS 7917 STANDARD  
(Fire Resistant)**



 **ADDISON**

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[www.addison-cables.com](http://www.addison-cables.com)



# Company Profile

Caledonian, established in 1978, offers one of the most complete lines of fiber and copper cabling system solutions with over hundreds of different cabling system products. Our superior products provide leading edge within every cable series and for every application.

Among the national and international standards with which our cables could comply are: BS - British Standard; LPCB Fire Performance Standard, ISO Standard etc. Caledonian Cables offers a comprehensive stock of cables and cabling products through its nationwide network of resellers and distributors. Caledonian Cables has continually expanded its global presence in Europe and Asia.

Caledonian & Addison, produces a wide range of cables for communication, power and electronics in its primary plants in UK, Italy and Spain. To stay in front, we continually keep expanding our manufacturing capabilities in more low cost region such as Romania, Taiwan, Malaysia etc. This low-cost manufacturing facilities enable us provide a flexible, scalable global system that delivers superior operational performance and optimal results for our customers.

Our extensive global network of manufacturing facilities gives us significant scale and the flexibility to fulfill our customer requirements. This global presence provides design and consultancy solutions that are combined with core cable manufacturing, logistic services, and vertically integrated with our E commerce technologies, to optimize customer operations by lowering costs and reducing time to market.

Caledonian & Addison has been respected for its high standards of quality, excellent service level, competitive pricing and a unique and innovative spirit. With our latest technologies, we are both inspired and well-positioned to meet the changing needs of our customers. We have the resources to diversify and to enhance our product lines and services. We understand the need for change and with our accurate planning, we are ready for the future and the promise of new marketing opportunities. Our tradition of growth through excellence is assured.

Our Design Centers work closely with customers to constantly improve its standard range of products and technologies and to develop customized, country and industry-specific solutions. Caledonian & Addison has established an extensive network of design, manufacturing, and logistics facilities in the world's major markets to serve the growing outsourcing needs of both multinational and regional customers.



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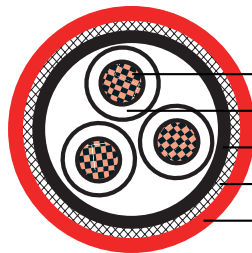
### 1.9/3.3kV, 3.3/3.3kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables

#### Application

These medium voltage elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in power and control applications.

#### Standards

- BS 6883
- IEC 60332-3A Flame retardant
- IEC 60754-1; IEC 60754-2 Corrosivity
- IEC 61034-2 Smoke density
- Cold bend and impact (-40°C) (on request)
- CSA C22.2 No. 38-95 (on request)



- Stranded Tinned Copper Conductor
- HF-EPR GP5 Insulation
- SW2/SW4 Inner Sheath
- Galvanized Steel Wire/Tinned Bronze Wire Braid
- SW2/SW4 Outer Sheath

#### Construction

- Conductor: Tinned copper wire stranded circular cl. 2 BS 6360/IEC 60228.
- Insulation: HF-EPR GP5 according to BS 7655 1.2.
- Inner Sheath: Halogen free thermosetting compound SW4 according to BS 7655 2.6 or reduced halogen thermosetting compound SW2 according to BS 7655 2.6.
- Armour: Galvanized steel wire braid or tinned bronze wire braid (single core).
- Outer Sheath: Halogen free thermosetting compound SW4 according to BS 7655 2.6 or reduced halogen thermosetting compound SW2 according to BS 7655 2.6.

#### Mechanical and Thermal Properties

Minimum Internal Bending Radius:  $6 \times OD$   
Temperature Range: -40°C ~ +90°C



### Dimensions and Weight

#### 1.9/3.3kV

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Minimum Diameter Over Inner Sheath mm	Maximum Diameter Over Inner Sheath mm	Nominal Armour Wire Diameter mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×10	2.2	1.1	10.2	11.9	0.3	1.3	14.2	16.2	398
1×16	2.2	1.2	11.4	13.1	0.3	1.3	15.4	17.6	499
1×25	2.2	1.2	13.0	14.8	0.3	1.4	17.1	19.5	675
1×35	2.2	1.3	14.1	15.9	0.3	1.4	18.2	20.6	793
1×50	2.2	1.3	15.3	17.2	0.3	1.5	19.6	22.4	970
1×70	2.2	1.4	17.2	19.2	0.3	1.6	21.7	24.6	1269
1×95	2.4	1.5	19.4	21.9	0.3	1.7	24.2	27.2	1623
1×120	2.4	1.6	21.3	23.8	0.3	1.7	26.0	29.1	1983
1×150	2.4	1.6	22.8	25.4	0.45	1.8	28.4	31.6	2423
1×185	2.4	1.7	24.8	27.4	0.45	1.9	30.6	34.3	2917
1×240	2.4	1.8	27.5	30.3	0.45	2.0	33.5	37.3	3654
1×300	2.4	1.9	30.0	33.2	0.45	2.1	36.2	40.1	4428
1×400	2.6	2.0	33.8	37.1	0.45	2.3	40.3	44.8	5416
1×500	2.8	2.2	37.6	41.1	0.45	2.5	44.5	49.2	6726
1×630	2.8	2.3	41.2	45.2	0.45	2.6	48.4	53.6	8562
3×10	2.2	1.5	20.4	22.9	0.3	1.7	25.1	28.2	1052
3×16	2.2	1.6	22.8	25.3	0.3	1.8	27.7	30.8	1357
3×25	2.2	1.8	26.6	29.3	0.45	2.0	32.6	36.3	2032
3×35	2.2	1.8	28.4	31.2	0.45	2.1	34.6	38.5	2382
3×50	2.2	1.9	31.2	34.4	0.45	2.2	37.6	41.6	2936
3×70	2.2	2.1	35.3	38.7	0.45	2.4	42.1	46.7	3877
3×95	2.4	2.3	40.2	44.1	0.45	2.6	47.4	52.1	4995
3×120	2.4	2.4	44.0	48.1	0.45	2.7	51.4	56.7	6118
3×150	2.4	2.6	47.6	51.8	0.45	2.9	55.3	60.8	7284
3×185	2.4	2.7	51.7	56.4	0.45	3.0	59.6	65.7	8750
3×240	2.4	3.0	57.7	62.9	0.45	3.3	66.2	72.6	11118
3×300	2.4	3.2	63.1	68.6	0.45	3.5	72.0	79.0	13531

#### 3.3/3.3kV

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Minimum Diameter Over Inner Sheath mm	Maximum Diameter Over Inner Sheath mm	Nominal Armour Wire Diameter mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×10	3.0	1.2	12.0	13.7	0.3	1.4	16.1	18.4	483
1×16	3.0	1.2	13.0	14.7	0.3	1.4	17.1	19.4	579
1×25	3.0	1.3	14.7	16.7	0.3	1.5	19.1	21.5	774
1×35	3.0	1.3	15.6	17.6	0.3	1.5	19.9	22.8	885
1×50	3.0	1.4	17.0	19.0	0.3	1.6	21.5	24.4	1082



## MV Flame Retardant Power & Control Cables

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Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Minimum Diameter Over Inner Sheath mm	Maximum Diameter Over Inner Sheath mm	Nominal Armour Wire Diameter mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×70	3.0	1.5	18.9	21.0	0.3	1.6	23.4	26.4	1377
1×95	3.0	1.5	20.6	23.1	0.3	1.7	25.3	28.4	1699
1×120	3.0	1.6	22.5	25.0	0.3	1.8	27.4	30.5	2081
1×150	3.0	1.7	24.1	26.8	0.45	1.9	30.0	33.6	2550
1×185	3.0	1.7	26.0	28.6	0.45	2.0	32.0	35.7	3032
1×240	3.0	1.8	28.7	31.8	0.45	2.1	34.8	38.7	3780
1×300	3.0	1.9	31.2	34.4	0.45	2.2	37.6	41.5	4563
1×400	3.0	2.1	34.7	38.1	0.45	2.3	41.3	45.8	5514
1×500	3.2	2.2	38.4	41.9	0.45	2.5	45.3	50.0	6807
1×630	3.2	2.4	42.2	46.2	0.45	2.6	49.4	54.6	8691
3×10	3.0	1.7	24.1	26.7	0.45	1.9	29.9	33.6	1404
3×16	3.0	1.8	26.5	29.2	0.45	2.0	32.5	36.2	1738
3×25	3.0	1.9	30.1	33.2	0.45	2.1	36.3	40.2	2314
3×35	3.0	2.0	32.1	35.4	0.45	2.2	38.5	42.9	2701
3×50	3.0	2.1	34.9	38.3	0.45	2.3	41.5	46.0	3278
3×70	3.0	2.2	38.9	42.7	0.45	2.5	45.8	50.5	4226
3×95	3.0	2.4	42.9	46.9	0.45	2.7	50.2	55.5	5297
3×120	3.0	2.5	46.7	50.9	0.45	2.8	54.2	59.7	6442
3×150	3.0	2.7	50.3	54.9	0.45	3.0	58.2	64.2	7631
3×185	3.0	2.8	54.4	59.2	0.45	3.2	62.7	68.9	9158
3×240	3.0	3.1	60.4	65.7	0.45	3.4	69.1	76.0	11526

