



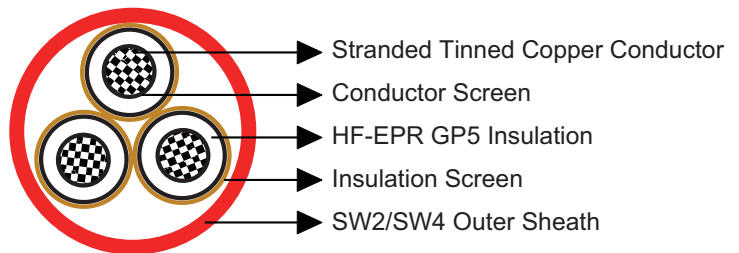
## 3.8/6.6kV, 6.35/11kV, 8.7/15kV HF-EPR Insulated, SW2/SW4 Sheathed Unarmoured Flame Retardant Power & Control Cables (Radial Field)

### 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)



### Construction

- Conductor: Tinned copper wire stranded circular cl. 2 BS 6360/IEC 60228.
- Conductor Screen: Semiconducting layer or tape.
- Insulation: HF-EPR GP5 according to BS 7655 1.2.
- Insulation Screen: Semiconducting layer or tape +Tinned copper tape.
- 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: 15×OD (single core); 20×OD (three core)  
Temperature Range: -40°C ~ +90°C



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Any inquiries, please feel free to contact  
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## Dimensions and Weight

### 3.8/6.6kV

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×16	3.0	1.3	16.0	18.0	492
1×25	3.0	1.3	17.6	19.7	658
1×35	3.0	1.4	18.7	20.8	776
1×50	3.0	1.4	19.9	22.3	942
1×70	3.0	1.5	21.8	24.3	1229
1×95	3.0	1.6	23.7	26.3	1546
1×120	3.0	1.6	25.4	28.0	1890
1×150	3.0	1.7	27.0	29.8	2242
1×185	3.0	1.8	29.0	32.1	2713
1×240	3.0	1.9	31.7	35.0	3427
1×300	3.0	2.0	34.3	37.6	4177
1×400	3.0	2.1	37.6	41.1	5145
1×500	3.2	2.3	41.4	45.5	6408
1×630	3.2	2.4	45.1	49.2	8134
3×16	3.0	1.8	32.7	36.0	1482
3×25	3.0	2.0	36.5	39.9	2031
3×35	3.0	2.0	38.4	41.9	2359
3×50	3.0	2.2	41.3	45.3	2918
3×70	3.0	2.3	45.3	49.4	3788
3×95	3.0	2.5	49.3	53.9	4776
3×120	3.0	2.6	53.1	57.8	5868
3×150	3.0	2.7	56.5	61.4	6933
3×185	3.0	2.9	60.8	66.1	8401
3×240	3.0	3.1	66.6	72.2	10616

### 6.35/11kV

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×16	3.4	1.3	16.8	18.8	524
1×25	3.4	1.4	18.6	20.7	704
1×35	3.4	1.4	19.4	21.9	813
1×50	3.4	1.5	20.8	23.3	994
1×70	3.4	1.5	22.6	25.1	1272
1×95	3.4	1.6	24.4	27.1	1592
1×120	3.4	1.7	26.3	29.0	1956
1×150	3.4	1.7	27.8	30.6	2294
1×185	3.4	1.8	29.8	32.9	2769
1×240	3.4	1.9	32.5	35.8	3487



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Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×300	3.4	2.0	35.0	38.4	4242
1×400	3.4	2.1	38.4	41.9	5208
1×500	3.4	2.3	41.8	45.8	6442
1×630	3.4	2.4	45.5	49.6	8176
3×16	3.4	1.9	34.5	37.9	1601
3×25	3.4	2.0	38.2	41.6	2139
3×35	3.4	2.1	40.2	44.1	2497
3×50	3.4	2.2	43.0	47.0	3040
3×70	3.4	2.4	47.1	51.3	3949
3×95	3.4	2.5	51.0	55.6	4919
3×120	3.4	2.7	55.0	59.8	6055
3×150	3.4	2.8	58.4	63.3	7132
3×185	3.4	3.0	62.7	68.1	8613
3×240	3.4	3.2	68.5	74.1	10848

## 8.7/15kV

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter Mm	Approx. Weight kg/km
1×25	4.5	1.5	20.9	23.4	808
1×35	4.5	1.5	21.7	24.3	921
1×50	4.5	1.5	22.9	25.5	1110
1×70	4.5	1.6	24.9	27.5	1396
1×95	4.5	1.7	26.7	29.5	1726
1×120	4.5	1.8	28.6	31.4	2099
1×150	4.5	1.8	30.1	33.3	2445
1×185	4.5	1.9	32.1	35.3	2929
1×240	4.5	2.0	34.8	38.2	3661
1×300	4.5	2.1	37.3	40.8	4429
1×400	4.5	2.2	40.7	44.6	5390
1×500	4.5	2.4	44.1	48.2	6638
1×630	4.5	2.5	47.8	52.0	8415
3×25	4.5	2.2	43.1	47.1	2458
3×35	4.5	2.3	45.2	49.2	2832
3×50	4.5	2.4	47.9	52.1	3395
3×70	4.5	2.6	52.1	56.7	4336
3×95	4.5	2.7	55.9	60.7	5334
3×120	4.5	2.9	59.9	64.9	6500
3×150	4.5	3.0	63.3	68.7	7602
3×185	4.5	3.2	67.6	73.2	9116