



0.6/1kV HF-EPR Insulated, SW2/SW4 Sheathed Unarmoured Flame Retardant Power & Control Cables

Application

These 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.
- Insulation: HF-EPR GP4 according to BS 7655 1.2.
- 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: $6 \times OD$ ($OD > 25\text{mm}$); $4 \times OD$ ($OD \leq 25\text{mm}$)
Temperature Range: -40°C ~ +90°C



LV Flame Retardant Power & Control Cables

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Dimensions and Weight

Single core cables

Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×4	1.0	1.0	6.3	7.6	85
1×6	1.0	1.0	6.8	8.1	120
1×10	1.0	1.0	7.7	9.1	165
1×16	1.0	1.1	8.9	10.3	230
1×25	1.2	1.2	11.1	12.8	345
1×35	1.2	1.2	12.0	13.7	445
1×50	1.4	1.3	13.7	15.5	600
1×70	1.4	1.3	15.5	17.4	810
1×95	1.6	1.4	17.7	19.8	1100
1×120	1.6	1.5	19.6	22.0	1360
1×150	1.8	1.6	21.6	24.2	1650
1×185	2.0	1.7	24.0	26.6	2070
1×240	2.2	1.8	27.1	29.9	2670
1×300	2.4	1.9	30.0	33.2	3340

Multicore cables

Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
2×1	0.8	1.0	7.5	8.8	100
2×1.5	0.8	1.1	8.2	9.6	125
2×2.5	0.8	1.1	9.0	10.4	160
2×4	1.0	1.2	11.0	12.7	235
2×6	1.0	1.2	12.1	13.8	300
2×10	1.0	1.3	14.1	15.9	415
2×16	1.0	1.4	16.3	18.3	590
2×25	1.2	1.5	20.4	22.9	890
2×35	1.2	1.6	22.4	24.9	1150
2×50	1.4	1.7	25.7	28.4	1570
2×70	1.4	1.9	29.6	32.7	2140
2×95	1.6	2.1	34.1	37.4	2930
2×120	1.6	2.2	37.7	41.1	3600
3×1	0.8	1.1	8.2	9.5	110
3×1.5	0.8	1.1	8.7	10.1	150
3×2.5	0.8	1.1	9.6	11.0	190
3×4	1.0	1.2	11.7	13.4	280
3×6	1.0	1.2	12.9	14.7	370
3×10	1.0	1.3	15.0	17.0	505
3×16	1.0	1.4	17.4	19.4	750





BS 6883&BS 7917 Caledonian Offshore & Marine Cables

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Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
3×25	1.2	1.6	22.0	24.6	1150
3×35	1.2	1.7	24.1	26.7	1490
3×50	1.4	1.8	27.7	30.5	2030
3×70	1.4	2.0	31.8	35.1	2790
3×95	1.6	2.2	36.7	40.1	3820
3×120	1.6	2.3	40.5	44.4	4710
3×150	1.8	2.5	44.9	49.0	5710
3×185	2.0	2.7	50.1	54.6	7180
3×240	2.2	2.9	56.7	61.5	9310
3×300	2.4	3.2	63.1	68.6	10860
4×1	0.8	1.1	8.9	10.3	140
4×1.5	0.8	1.1	9.5	10.9	175
4×2.5	0.8	1.1	10.5	12.1	225
4×4	1.0	1.2	12.9	14.6	340
4×6	1.0	1.3	14.4	16.2	465
4×10	1.0	1.4	16.7	18.7	640
4×16	1.0	1.5	19.4	21.8	960
4×25	1.2	1.7	24.5	27.1	1550
4×35	1.2	1.8	26.8	29.5	1920
4×50	1.4	1.9	30.8	34.0	2600
4×70	1.4	2.1	35.4	38.8	3570
4×95	1.6	2.3	40.8	44.7	4900
4×120	1.6	2.5	45.2	49.3	6070
4×150	1.8	2.7	50.1	54.7	7360
4×185	2.0	2.9	55.8	60.7	9260
4×240	2.2	3.2	63.4	68.9	12030
5×1.5	0.8	1.1	10.4	12.0	200
7×1.5	0.8	1.2	11.5	13.2	255
12×1.5	0.8	1.3	15.2	17.2	405
19×1.5	0.8	1.4	18.0	20.1	600
27×1.5	0.8	1.6	21.9	24.5	850
37×1.5	0.8	1.7	24.7	27.3	1120
5×2.5	0.8	1.2	11.7	13.3	270
7×2.5	0.8	1.2	12.7	14.4	335
12×2.5	0.8	1.4	17.1	19.1	550
19×2.5	0.8	1.5	20.2	22.7	830