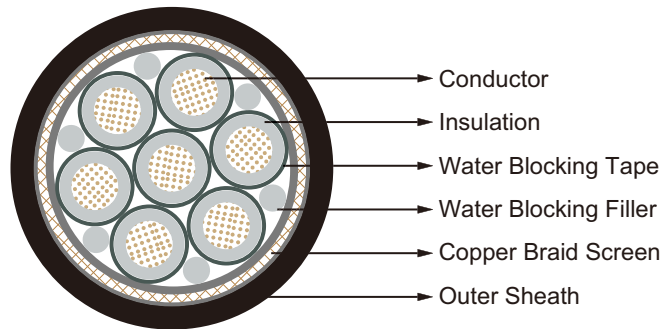




Partially Longitudinally Water Blocked Cable



Application

These outboard installation cables for naval vessels are transversally water blocked and longitudinally completely water blocked (all wires are not water blocked), designed according to VG 95218 part 29.

Construction

- **Conductor:** Copper conductor, fine stranded.
- **Insulation:** Special elastomer.
- **Separator:** Water-blocking tapes.
- **Fillers:** Water-blocking fillers.
- **Screen:** Copper braid with tinned wires.
- **Sheath:** Cross linked halogen free flame retardant compound.

Electrical Data

500V

Number of Cores × Nominal Cross Section Area	Maximum Transfer impedance
No. × mm ²	m Ω /m
27×2×0.38	30
4×0.5	30
2×0.75	30
3×0.75	30
4×2×0.75	30



Low Voltage Water Blocked Cables

www.caledonian-cables.co.uk

Number of Cores × Nominal Cross Section Area	Maximum Transfer impedance
No. × mm ²	m Ω /m
8×2×0.75	30
10×2×0.75	30
37×0.75	30
4×1.0	30
4×6+2×1.0	30
2×1.5	30
3×1.5	30
3G1.5	30
5×1.5	30
5G1.5	30
7×1.5	30
12×1.5	30
24×1.5	30
19×6	30
2×6.0	30

1200V

Number of Cores × Nominal Cross Section Area	Maximum Transfer impedance
No. × mm ²	m Ω /m
1×35	30
1×120	30
1×185	30
1×240	30

Dimension and Weight

500V

Number of Cores × Nominal Cross Section Area	Maximum Single Core Diameter	Minimum Sheath Thickness	Minimum Overall Diameter	Maximum Overall Diameter	Maximum Weight
No. × mm ²	mm	mm	mm	mm	kg/km
27×2×0.38	1.35	2.0	22.0	22.6	630
4×0.5	1.5	1.5	9.5	9.7	140
2×0.75	1.9	1.3	7.8	8.2	96
3×0.75	1.9	1.3	8	8.4	110
4×2×0.75	1.9	1.8	14.3	14.9	275
8×2×0.75	1.9	2.0	16.9	17.5	420
10×2×0.75	1.9	2.0	21.2	21.8	600
37×0.75	1.9	2.0	18.3	18.9	650
4×1.0	2.2	2.0	10.0	10.6	175
4×6+2×1.0	5.2/2.2	2.0	17.6	18.2	785
2×1.5	2.4	1.5	9.4	10.0	150
3×1.5	2.4	1.5	9.7	10.3	160



Caledonian Submarine Cables

Low Voltage Water Blocked Cables

www.caledonian-cables.co.uk

Number of Cores × Nominal Cross Section Area No. × mm ²	Maximum Single Core Diameter mm	Minimum Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Maximum Weight kg/km
3G1.5	2.4	1.5	9.7	10.3	160
5×1.5	2.4	1.5	11.3	11.8	230
5G1.5	2.4	1.5	11.3	11.8	230
7×1.5	2.4	1.5	11.6	12.2	250
12×1.5	2.4	2.0	15.1	15.7	425
24×1.5	2.4	2.5	21.5	22.1	835
19×6	5.2	2.5	32.5	33	1800
2×6.0	5.2	2.0	16.8	17.4	410

1200V

Number of cores × Nominal Cross Section Area No. × mm ²	Maximum Single Core Diameter mm	Minimum Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Maximum Weight kg/km
1×35	11.3	2.5	17.0	17.5	680
1×120	21.6	2.5	28.7	29.3	2000
1×185	25.3	2.5	31.9	32.5	2900
1×240	29.8	2.5	35.3	35.9	4050

