



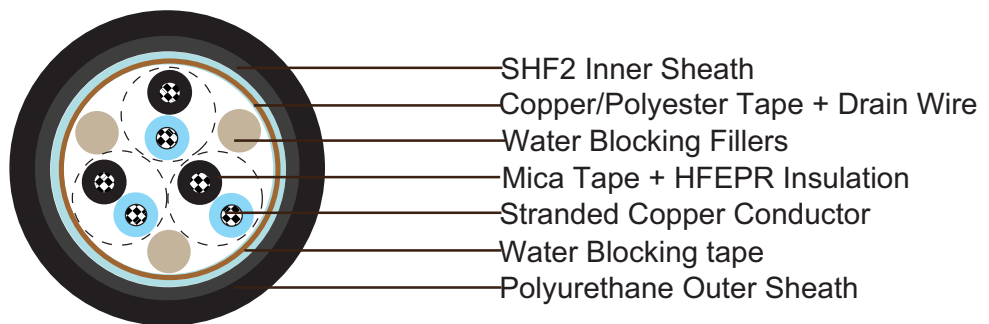
## Water Blocked S14 BU(c) 250 V

### Applications

These unarmoured cables are partially water blocked, fire resistant, flame retardant, low smoke and halogen free, used for instrumentation, communication, control and alarm systems.

### Standards

- IEC 60092-376
- IEC 60092-351
- IEC 60092-359
- IEC 60331-21
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004
- VG 95218 part 29



### Construction

- **Conductors:** Circular tinned annealed stranded copper wire to IEC 60228 class 2.
- **Insulation:** Mica tape + Halogen free EPR compound.
- **Twinning:** Colour coded cores twisted together.
- **Collective Shielding:** Pairs/triples are layed up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductors.
- **Filler:** Water blocking fillers, if required.
- **Water Blocking Elements:** Water blocking tape and strings for providing longitudinal water tightness.
- **Inner Sheath:** Halogen free thermosetting compound, SHF2, coloured grey (blue for intrinsically safe).
- **Outer Sheath:** Polyurethane for providing transversal water tightness, PE is optional, but can not meet low smoke standard.

# NEK606 Water Blocked Offshore & Marine Cables



## Electrical Characteristics

Nominal Cross Section Area	mm <sup>2</sup>	0.75	1.0	1.5
Nominal Conductor Diameter	mm	1.1	1.3	1.6
Maximum Resistant@20°C	Ω/km	26.3	19.3	12.9
Mutual Capacitance	nF/km	75	80	85
Nominal Inductance@1KHz	MH/km	0.727	0.686	0.667
Maximum L/R@1KHz	μH/Ω	20	25	35
Operating Voltage	V	250	250	250

## Mechanical and Thermal Properties

- Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
- Temperature Range: -20°C ~ +90°C

## Dimensions and Weight

Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Nominal Outer Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2×2×0.75	0.6	1.1	1.0	12.2±2	194
4×2×0.75	0.6	1.2	1.0	14.5±2	252
7×2×0.75	0.6	1.4	1.0	17.0±2	368
8×2×0.75	0.6	1.4	1.0	18.3±2	415
12×2×0.75	0.6	1.5	1.0	21.5±2	567
16×2×0.75	0.6	1.6	1.0	23.8±2	725
19×2×0.75	0.6	1.7	1.0	25.2±2	819
24×2×0.75	0.6	1.8	1.0	28.7±2	1034
32×2×0.75	0.6	2.1	1.0	31.6±2	1286
2×3×0.75	0.6	1.2	1.0	14.0±2	215
3×3×0.75	0.6	1.2	1.0	15.1±2	278
4×3×0.75	0.6	1.3	1.0	16.4±2	336
7×3×0.75	0.6	1.3	1.0	19.4±2	499
8×3×0.75	0.6	1.5	1.0	21.5±2	620
12×3×0.75	0.6	1.6	1.0	24.9±2	782
16×3×0.75	0.6	1.7	1.0	27.6±2	1013
19×3×0.75	0.6	1.8	1.0	29.2±2	1150
24×3×0.75	0.6	2.0	1.0	33.6±2	1475
2×2×1.0	0.6	1.1	1.0	12.7±2	221
4×2×1.0	0.6	1.1	1.0	15.3±2	299
7×2×1.0	0.6	1.4	1.0	18.0±2	436
8×2×1.0	0.6	1.4	1.0	19.3±2	488



# NEK606 Water Blocked Offshore & Marine Cables

Construction No. of elements×No. of cores in element×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Nominal Outer Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
12×2×1.0	0.6	1.6	1.0	22.8±2	677
16×2×1.0	0.6	1.7	1.0	25.3±2	866
19×2×1.0	0.6	1.8	1.0	26.7±2	987
24×2×1.0	0.6	1.9	1.0	30.8±2	1260
32×2×1.0	0.6	2.3	1.0	33.8±2	1570
3×3×1.0	0.6	1.2	1.0	16.0±2	326
4×3×1.0	0.6	1.4	1.0	17.3±2	399
7×3×1.0	0.6	1.6	1.0	20.6±2	599
12×3×1.0	0.6	1.6	1.0	26.4±2	945
16×3×1.0	0.6	1.7	1.0	29.3±2	1218
19×3×1.0	0.6	1.9	1.0	31.0±2	1391
24×3×1.0	0.6	2.1	1.0	35.7±2	1785
2×2×1.5	0.7	1.2	1.0	14.1±2	289
4×2×1.5	0.7	1.3	1.0	17.2±2	399
7×2×1.5	0.7	1.5	1.0	20.4±2	593
8×2×1.5	0.7	1.5	1.0	22.0±2	672
12×2×1.5	0.7	1.7	1.0	26.3±2	940
16×2×1.5	0.7	1.8	1.0	29.2±2	1208
19×2×1.5	0.7	1.9	1.0	30.6±2	1360
24×2×1.5	0.7	2.1	1.0	35.5±2	1754
32×2×1.5	0.7	2.3	1.0	39.0±2	2200
2×3×1.5	0.7	1.3	1.0	17.0±2	326
3×3×1.5	0.7	1.3	1.0	18.0±2	441
4×3×1.5	0.7	1.4	1.0	19.7±2	541
7×3×1.5	0.7	1.6	1.0	23.5±2	824
8×3×1.5	0.7	1.6	1.0	25.5±2	977
12×3×1.5	0.7	1.8	1.0	30.5±2	1318
16×3×1.5	0.7	1.9	1.0	33.9±2	1712
19×3×1.5	0.7	2.0	1.0	35.8±2	1948
24×3×1.5	0.7	2.2	1.0	41.3±2	2494



NEK 606:2004

N

Standard



IEC 60092-351

N

Standard



IEC 60092-376

N

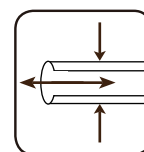
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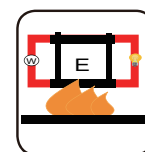
IEC 60092-359

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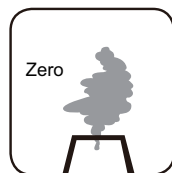
Standard



Water Tightness  
VG 95218-29



Circuit Integrity  
IEC 60331-21



Zero

Halogen Free  
IEC60754-1



Low Corrosivity  
IEC60754-2



Low Smoke Emission  
IEC 61034-1&2



Flame Retardancy  
IEC60332-1



Reduced Fire Propagation  
IEC60332-3-22