



6571 Earth SW4 0.6/1 kV

EPR/ZH

BS 6883

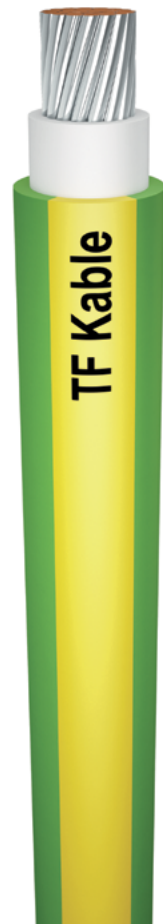
Halogen-free, flame retardant, offshore & shipboard earth cables with elastomeric insulation and sheath

CONSTRUCTION

Conductors	Tinned annealed circular stranded copper class 2 acc. to BS EN 60228
Insulation	Halogen-free elastomer compound EPR type GP4 acc. to BS 7655-1.2
Outer sheath	Halogen-free, heat-resistant, oil-resisting and flame-retardant elastomer compound type SW4 acc. to BS 7655-2.6
Colour of outer sheath	Green/yellow
Cable marking	ELECTRIC CABLE Type SW4 "number of cores" "x" "conductor size" "600/1,000 V" "TFK3" "BS6883" "UK00A code" "IEC60332-3-22 cat. A" "year" "metre mark"

CHARACTERISTIC

Maximum conductor operating temperature:	+90°C								
Lowest ambient temperature for fixed installation:	-40°C								
Lowest installation temperature:	-15°C								
Minimum bending radius:	<table><tr><th>Overall diameter of cable (D)</th><th>Minimum bending radius</th></tr><tr><td>≤ 10 mm</td><td>3 D</td></tr><tr><td>16-25 mm</td><td>4 D</td></tr><tr><td>> 25 mm</td><td>6 D</td></tr></table>	Overall diameter of cable (D)	Minimum bending radius	≤ 10 mm	3 D	16-25 mm	4 D	> 25 mm	6 D
Overall diameter of cable (D)	Minimum bending radius								
≤ 10 mm	3 D								
16-25 mm	4 D								
> 25 mm	6 D								
D – overall diameter of cable									



Fire performance

Flame retardant:	IEC 60332-3-22 Category A
Smoke emission:	BS EN 61034-2, IEC 61034-2
Corrosive gas emission:	BS EN 50267-2-1, IEC 60754-1: type SW4 cables ≤ 0.5% HCl

6571 Earth SW4 0.6/1 kV

EPR/ZH

BS 6883

Applications

Unarmoured earth cable for fixed installations in all areas, including accommodation and open deck in ships and offshore units.

Standard length cable packing:

1,000 m on drums

Other forms of packing and delivery are available on request

129

Number and cross-sectional area of conductor	Class of conductor	Nominal thickness of insulation	Nominal thickness of outersheath	Approximate overall diameter of cable	Approximate net weight of cables SW4	UK00A Code
n × mm ²		mm	mm	mm	kg/km	
1 × 1	2	0.8	1.0	4.8	34	–
1 × 1.5	2	0.8	1.0	5.1	40	–
1 × 2.5	2	0.8	1.0	5.6	54	WE103
1 × 4	2	1.0	1.0	6.5	78	WE104
1 × 6	2	1.0	1.0	7.3	101	WE106
1 × 10	2	1.0	1.0	8.1	144	WE110
1 × 16	2	1.0	1.1	9.5	216	WE116
1 × 25	2	1.2	1.2	11.4	328	WE125
1 × 35	2	1.2	1.2	12.6	429	WE135
1 × 50	2	1.4	1.3	14.3	551	WE150
1 × 70	2	1.4	1.3	16.0	753	WE170
1 × 95	2	1.6	1.4	18.6	1,049	WE195
1 × 120	2	1.6	1.5	20.3	1,274	WE10A
1 × 150	2	1.8	1.6	22.5	1,568	WE10B
1 × 185	2	2.0	1.7	24.9	1,949	WE10C
1 × 240	2	2.2	1.8	28.0	2,530	WE10D
1 × 300	2	2.4	1.9	30.9	3,134	WE10E
1 × 400	2	2.6	2.0	34.6	4,258	WE10F
1 × 500	2	2.8	2.2	37.6	5,337	WE10G
1 × 630	2	2.8	2.3	42.9	6,533	WE10H

Please refer to technical section for additional information relating to these cables.