



## BS 6883 0.6/1kV Shipwiring Power

Originally designed for wiring ships, BS 6883 cables have been widely adopted in other marine installations including oil rigs and platforms. They are available in single and multi core versions both unarmoured (type 657 SW4) and with a galvanized steel wire braid armour (type 658 SW4) for mechanical protection.

### Construction

#### 657 SW4 Unarmoured

Tinned stranded copper conductor, EPR insulation, SW4 LSHF elastomeric outer sheath – black.

Single core cables are also available in green/yellow for earthing applications. See page 72.

#### 658 SW4 Armoured

Tinned stranded copper conductor, EPR insulation, Halogen Free elastomeric bedding, galvanized steel wire braid armour, SW4 LSHF elastomeric outer sheath - black.

### Core Identification

White cores with black numbers. Colour coded cores available to order.

### Technical Information

**Voltage Rating:** 0.6/1kV

**Conductor Stranding:** IEC 60228 Class 2, tinned copper

**Temperature Rating:** -30°C to +85°C

**Bending Radius Static:** **657 SW4**

**658 SW4**

≤ 10mm

3 x cable OD

4 x cable OD

>10mm to 25mm

4 x cable OD

4 x cable OD

> 25mm

6 x cable OD

6 x cable OD

**Oxygen Index of Sheath:** >31%

**Flame Retardant:** IEC 60332-1-2, IEC 60332-3-22 Cat A

**Smoke Emission:** IEC 61034-1 & 2, BS 7622

**Halogen Emission:** IEC 60754-1 & 2, BS 6425-1

**Manufactured To:** BS 6883/UKOOA

65702512H

Part No.	Core x mm <sup>2</sup>	Weight kg/km	O/D mm
<b>BS6883 657 SW4 Unarmoured</b>			
65701501H	1 x 1.5	42	6.0
65701502H	2 x 1.5	105	8.5
65701503H	3 x 1.5	130	9.0
65701504H	4 x 1.5	155	10.0
65701507H	7 x 1.5	260	12.0
65701512H	12 x 1.5	405	15.5
65701519H	19 x 1.5	590	19.0
65701527H	27 x 1.5	820	22.0
65702501H	1 x 2.5	57	6.0
65702502H	2 x 2.5	145	9.5
65702503H	3 x 2.5	180	10.0
65702504H	4 x 2.5	215	11.0
65702507H	7 x 2.5	365	13.0
65702512H	12 x 2.5	585	18.0
65702519H	19 x 2.5	860	21.0
65704001H	1 x 4.0	82	7.0
65704002H	2 x 4.0	225	11.5
65704003H	3 x 4.0	270	12.0
65704004H	4 x 4.0	355	13.0
65706001H	1 x 6.0	105	7.0
65706002H	2 x 6.0	285	13.0
65706003H	3 x 6.0	350	13.5
65706004H	4 x 6.0	445	14.5
65710001H	1 x 10	165	8.0
65710002H	2 x 10	445	14.5
65710003H	3 x 10	565	15.5
65710004H	4 x 10	700	17.0

Part No.	Core x mm <sup>2</sup>	Weight kg/km	O/D mm
65716001H	1 x 16	230	9.5
65716002H	2 x 16	630	17.0
65716003H	3 x 16	795	18.0
65716004H	4 x 16	1010	20.0
65725001H	1 x 25	360	12.0
65725002H	2 x 25	965	21.0
65725003H	3 x 25	1240	22.0
65725004H	4 x 25	1570	25.5
65735001H	1 x 35	425	12.5
65735002H	2 x 35	1140	23.0
65735003H	3 x 35	1480	25.0
65735004H	4 x 35	1880	27.0
65750001H	1 x 50	570	14.0
65750002H	2 x 50	1520	26.0
65750003H	3 x 50	1960	28.5
65750004H	4 x 50	2510	32.0
65770001H	1 x 70	785	16.0
65770002H	2 x 70	2070	31.0
65770003H	3 x 70	2700	33.0
65770004H	4 x 70	3490	36.0
65795001H	1 x 95	1060	18.0
65795003H	3 x 95	3680	37.0
65795004H	4 x 95	4780	42.0
65712001H	1 x 120	1300	21.0
65712003H	3 x 120	4490	42.0
65712004H	4 x 120	5830	46.0

65802512H

Part No.	Core x mm <sup>2</sup>	Weight kg/km	Dia over Bedding mm	O/D mm
<b>BS6883 658 SW4 Armoured</b>				
65801502H	2 x 1.5	280	10.0	13.5
65801503H	3 x 1.5	310	10.5	14.5
65801504H	4 x 1.5	390	11.5	16.5
65801507H	7 x 1.5	570	14.0	18.0
65801512H	12 x 1.5	780	18.5	23.5
65801519H	19 x 1.5	1080	22.0	27.5
65801527H	27 x 1.5	1430	26.5	32.0
65802502H	2 x 2.5	320	11.0	14.5
65802503H	3 x 2.5	400	11.5	16.0
65802504H	4 x 2.5	460	12.5	17.0
65802507H	7 x 2.5	650	15.0	20.0
65802512H	12 x 2.5	980	20.0	25.0
65802519H	19 x 2.5	1350	24.0	29.0
65802527H	27 x 2.5	1810	29.5	34.5
65804002H	2 x 4.0	420	12.0	16.5
65804003H	3 x 4.0	505	13.0	17.0
65804004H	4 x 4.0	590	14.0	19.0
65806002H	2 x 6.0	510	13.0	18.0
65806003H	3 x 6.0	595	14.0	18.5
65806004H	4 x 6.0	700	15.5	20.0
65810002H	2 x 10	680	15.0	20.0
65810003H	3 x 10	780	16.0	20.5
65810004H	4 x 10	935	18.0	23.0
65816002H	2 x 16	960	17.5	23.0
65816003H	3 x 16	1120	18.5	24.0
65816004H	4 x 16	1370	20.5	26.0
65825002H	2 x 25	1250	21.0	26.0
65825003H	3 x 25	1500	22.5	27.5
65825004H	4 x 25	1850	25.0	30.0
65835002H	2 x 35	1455	23.5	28.0
65835003H	3 x 35	1950	25.0	30.0
65835004H	4 x 35	2380	28.0	33.5
65850002H	2 x 50	2160	27.0	32.5
65850003H	3 x 50	2640	29.0	34.0
65850004H	4 x 50	3300	32.5	38.5
65870002H	2 x 70	2930	31.0	37.0
65870003H	3 x 70	3630	33.0	39.0
65870004H	4 x 70	4340	37.0	43.0
65895003H	3 x 95	4720	38.0	44.0
65895004H	4 x 95	5830	42.5	49.0
65812003H	3 x 120	5820	41.0	48.5
65812004H	4 x 120	7180	46.0	54.0

