


## 657TQ / BS6883



Our 657TQ, is designed to meet BS6883 standards for power and control systems in maritime environments. Featuring a LSZH sheath to minimize smoke and gas emissions during emergencies, our range includes the Type SW4 cable with Lloyd's Register approval for fixed wiring across ships and offshore platforms. Versatile for power, control, and lighting needs in all areas. Non-armoured for easy installation in accommodations and open decks, our cables offer durability and reliability.

<b>CONDUCTOR</b>	Tinned Copper
<b>STRANDING</b>	Class 2
<b>INSULATION</b>	EPR
<b>OUTERSHEATH COLOUR</b>	Black
<b>RATED VOLTAGE</b>	0.6/1kV
<b>CORE IDENTIFICATION</b>	White with Black printed numbers
<b>MINIMUM BENDING RADIUS</b>	Overall Bending Radius 3x
<b>OPERATING TEMPERATURE</b>	90°C
<b>STANDARDS</b>	BS 6883, EN 60228 Flame Retardant according to IEC/EN 60032-3-22 Halogen Free according to IEC/EN 6103 4-1/2
<b>APPROVALS</b>	

# SPECIFICATION DATA

## DE-RATING FACTORS

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C
De-Rating Factor	1.10	1.05	1	0.94	0.88	0.82	0.74	0.67	0.58	0.47

## CURRENT CARRYING CAPACITY

Nominal Cross Sectional Area mm <sup>2</sup>	Single Core Amps	2 Core AMps	3 and 4 Core Amps	5 Core Amps	7 Core Amps Amps	12 Core Amps	19 Core Amps	27 Core Amps	37 Core Amps
1	18	15	3	10.5	-	-	-	-	-
1.5	23	20	16	12	10	9	7	6.5	6
2.5	30	26	21	16	15	12	10	9	8
4	40	34	28	-	-	-	-	-	-
6	52	44	36	-	-	-	-	-	-
10	72	61	50	-	-	-	-	-	-
16	96	82	67	-	-	-	-	-	-
25	127	108	89	-	-	-	-	-	-
35	157	133	110	-	-	-	-	-	-
50	196	167	137	-	-	-	-	-	-
70	242	206	169	-	-	-	-	-	-
95	293	249	205	-	-	-	-	-	-
120	339	288	237	-	-	-	-	-	-
150	389	331	272	-	-	-	-	-	-
185	444	377	311	-	-	-	-	-	-
240	522	444	365	-	-	-	-	-	-
300	601	511	421	-	-	-	-	-	-
400	719	611	503	-	-	-	-	-	-
500	827	703	579	-	-	-	-	-	-

## CONDUCTORS

Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C ohms/km Plain Wires	Maximum Resistance of Conductor at 20°C ohms/km Metal-Coated Wires
1	0.21	19.5	20
1.5	0.26	13.3	13.7

## DIMENSIONS

BATT Part No	Cores	Conductor Class	Nominal Cross Sectional Area mm	Nominal Thickness of Insulation mm	Nominal thickness of Sheath mm	Approx overall diameter	Weight
10308	1	2	1.5			5.5	42
10076	1	2	2.5	0.8	1	6	57
10288	1	2	4	1	1	6.9	82
10261	1	2	6	1	1	7.5	105
10305	1	2	10	1	1	9	165
10262	1	2	16	1	1.1	10.1	230
10043	1	2	25	1.2	1.2	12.4	360
10320	1	2	35	1.2	1.2	13.3	425

10278	1	2	50	1.4	1.3	15.2	570
10127	1	2	70	1.4	1.3	17.2	785
10265	1	2	95	1.6	1.4	19.3	1060
10275	1	2	120	1.6	1.5	21.4	1300
10270	1	2	150	1.8	1.6	23.5	1600
10316	1	2	185	2	1.7	24.9	1949
10281	1	2	300	2.4	1.9	32.3	3210
10272	1	2	500	2.8	2.2	40.2	5470
10169	1	2	630	2.8	2.3	44.1	6800
10080	2	5	1	0.8	1	8	84
10187	2	5	1.5	0.8	1.1	8.6	105
10083	2	2	2.5	0.8	1.1	9.8	145
10013	2	2	4	1	1.2	12	225
10313	2	2	6	1	1.2	13.1	285
10210	2	2	10	1	1.3	16	445
10039	2	2	16	1	1.4	18.3	630
10086	2	2	25	1.2	1.5	22.9	965
10279	3	2	1	0.8	1.1	8.4	100
10063	3	5	1.5	0.8	1.1	9.3	130
10006	3	2	2.5	0.8	1.1	10.4	180
10126	3	2	4	1	1.2	12.7	270
10008	3	2	6	1	1.2	13.9	350
10160	3	2	10	1	1.3	17.2	565
10007	3	2	16	1	1.4	19.5	795
10073	3	2	25	1.2	1.6	24.4	1240
10122	3	2	35	1.2	1.7	26.5	1480
10090	3	2	50	1.4	1.8	30.3	1960
10324	3	2	95	1.6	1.2	39.7	3680
10327	3	2	120	1.6	2.3	41.9	4400
10317	4	5	1	0.8	1.1	9.5	122
10118	4	5	1.5	0.8	1.1	10.1	155
10176	4	2	2.5	0.8	1.1	11.4	215
10276	4	2	4	1	1.2	13.9	335
10165	4	2	6	1	1.3	13.9	335
10282	4	2	10	1	1.4	18.9	700
10310	4	2	16	1	1.5	21.7	1010
10107	4	2	25	1.2	1.7	25.8	1570
10304	4	2	35	1.2	1.8	27.8	1880
10314	4	2	70	1.4	2.1	36.2	3490
10290	5	5	1.5	0.8	1.1	11	185
10311	6	5	1.5			12.2	220
10103	7	5	1.5	0.8	1.2	12.8	252
10096	7	2	2.5	0.8	1.2	14.4	359
10299	7	2	4			15.8	470
10312	8	5	1.5			13.3	295
10069	10	5	1.5			16.2	260
10146	12	5	1.5	0.8	1.3	16.7	405
10274	12	2	2.5	0.8	1.4	18.8	603
10252	16	5	1.5			17.9	482
10105	19	2	1.5	0.8	1.4	19.4	570
10319	19	2	2.5	0.8	1.5	22.4	842

10277	27	5	1.5	0.8	1.6	23.2	766
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The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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