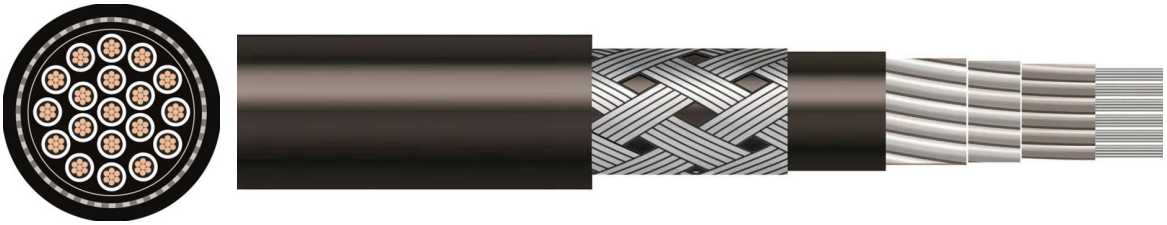
658TQ / BS6883



Our 658TQ offshore armoured cables, designed to BS6883 for unparalleled mechanical protection and safety. Featuring galvanized steel wire braid armour, these cables ensure robust defence against external elements in power and control circuits. Their flexible armour, coupled with SW4 grade low smoke halogen-free sheath, guarantees easy installation alongside superior safety, making them the ideal choice for rigs and ships alike.

CONDUCTOR	Tinned Copper
STRANDING	Class 2
ARMOUR	Steel Wire Braid
OUTERSHEATH COLOUR	Black
RATED VOLTAGE	0.6/1kV
MINIMUM BENDING RADIUS	Overall Bending Radius 6x
OPERATING TEMPERATURE	90°C
STANDARDS	BS 6883, EN 60228
APPROVALS	

SPECIFICATION DATA

DE-RATING FACTORS

Air Temperature	35ºC	40ºC	45ºC	50ºC	55ºC	60ºC	65ºC	70ºC	75ºC	80ºC
Re-Rating Factor	1.10	1.05	1.0	0.94	0.88	0.82	0.74	0.67	0.58	0.57

CURRENT CARRYING CAPACITY

Nominal Cross Sectional Area mm	Single Core Amps	2 Core Amps	3 and 3 Cores Amps	5 Core Amps	7 Core Amps	10 Core Amps	12 Core Amps	16 Core Amps	19 Core Amps	20 Core Amps	24 Core Amps	27 Core Amps	30 Core Amps	37 Core Amps
1	18	15	13	10.5	9	8	8	7	7	7	6	6	6	5
1.5	23	20	16	12	10	9	9	8	7	7	6.5	6.5	6	6
2.5	30	26	21	16	15	13	12	11	10	10	9.5	9	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	-	-	-	-	-	-	-	-	-	-	-

Class 2 Stranded Conductors for Single Core and Multi-Core Cables

Noominal Cross Sectional Area mm	Maximum no. 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

CONDUCTORS

Nominal Cross Sectional area mm	Minimum no. of wires in conductor Circular Cu	Maximum Resistance of conductor at 20°C ohms/km Annealed Copper Conductor Metal-Coated Wires
2.5	7	7.56
4	7	4.7
6	7	3.11
10	7	1.84
16	7	1.16
25	7	0.734
35	7	0.529
50	19	0.391
70	19	0.27
95	19	0.195
120	37	0.154
150	37	0.126
185	37	0.1

240	37	0.762
300	61	0.0607

DIMENSIONS

BATT Part No.	Cores	Conductor Class	Nominal Cross Sectional Area mm	Nominal Thicknell of Insulation mm	Nominal Thickness of inner Sheath mm	Nominal Thickness of Sheath mm	Approx overall diameterNominal Diameter of steel wires in braid mm	Nominal overall diameter	Weight kg/km
67150	2	5	1	0.8	1	0.3	1.2	13.2	260
67343	2	5	1.5	0.8	1.1	0.	1.2	13.2	260
67061	2	2	2.5	0.8	1.1	0.3	1.2	13.9	305
67130	2	2	4	1	1.2	0.3	1.3	17.1	465
67008	2	2	6	1	1.2	0.3	1.4	17.6	515
67110	2	2	10	1	1.3	0.3	1.4	20.7	725
67115	2	2	16	1	1.4	0.3	1.5	23.4	975
67158	2	2	25	1.2	1.5	0.3	1.7	28.1	1340
67737	2	2	35	1.2	1.6	0.3	1.8	30.1	1540
67357	2	2	50	1.4	1.9	0.45	2.1	35.1	2140
67565	2	2	240	2.2	2.8	0.45	3.1	65.8	8310
67401	3	5	1.5	0.8	1.1	0.3	1.2	13.4	280
67575	3	2	2.5	0.8	1.1	0.3	1.3	14.7	360
67576	3	2	4	1	1.2	0.3	1.3	17	475
67612	3	2	6	1	1.2	0.3	1.4	18.4	586
67605	3	2	10	1	1.3	0.3	1.5	22.1	860
57134	3	2	16	1	1.4	0.3	1.6	24.6	1150
67609	3	2	25	1.2	1.6	0.3	1.8	29.8	1640
67118	3	2	35	1.2	1.7	0.45	1.9	33.1	2030
67611	3	2	50	1.4	1.8	0.45	2	37.2	2640
67719	3	2	70	1.4	2	0.45	2.2	41.9	3480
67152	3	2	95	1.6	2.2	0.45	2.4	47.	4650
67675	3	2	120	1.6	2.3	0.45	2.6	52	5540
67154	3	2	150	1.8	2.5	0.45	2.8	57.9	6770
67608	3	2	185	2	2.7	0.45	3	62.9	8310
68516	3	2	240	2.2	2.9	0.45	3.2	73.1	11604.90
67006	4	5	1.5	0.8	1.1	0.3	1.3	14.2	320
67119	4	2	2.5	0.8	1.1	0.3	1.3	15.7	410
67125	4	2	4	1	1.2	0.3	1.4	18.4	570
67132	4	2	6	1	1.3	0.3	1.5	20.1	720
67699	4	2	10	1	1.4	0.3	1.6	24	1050
67613	4	2	16	1	1.5	0.3	1.7	26.9	1410
67615	4	2	25	1.2	1.7	0.45	1.9	33.6	2160
67135	4	2	35	1.2	1.8	0.45	2	36.1	2510
67136	4	2	50	1.4	1.9	0.45	2.2	41	3290
67142	4	2	70	1.4	2.1	0.45	2.4	46.1	4410
67143	4	2	95	1.6	2.3	0.45	2.6	52.6	5880
67718	4	2	120	1.6	2.5	0.45	2.8	57.4	7050
67703	4	2	150	1.8	2.7	0.45	3	63.1	8620
67563	4	2	300	2.4	3.5	0.45	3.8	82.6	16760
68345	5	5	1.5	0.8	1.1	0.3	1.3	14.8	351
68576	5	-	10	-	-	-	-	25.8	1200
67157	6	-	1.5	-	-	-	-	17	420
67471	6	-	2.5	-	-	-	-	18.5	545
57016	6	-	4	-	-	-	-	20.8	765
67404	7	5	1.5	0.8	1.2	0.3	1.3	18	521

67709	7	2	2.5	0.8	1.2	0.3	1.4	19.2	590
67767	8	-	1.5	-	-	-	-	18.1	545
67846	8	-	2.5	-	-	-	-	19.9	620
67378	10	-	2.5	-	-	-	-	22.9	902
67782	12	5	1.5	0.8	1.3	0.3	1.5	21.7	685
67704	12	2	2.5	0.8	1.4	0.3	1.6	24	919
67230	12	-	4	-	-	-	-	28.2	1240
67175	19	5	1.5	0.8	1.4	0.3	1.6	23.9	871
67834	19	2	2.5	0.8	1.5	0.3	1.7	-	-
67018	27	5	1.5	0.8	1.6	0.3	1.8	28.3	1210
67459	27	2	2.5	0.8	1.7	0.45	1.9	32.6	1760
68366	37	2	2.5	-	-	-	-	37.1	2290

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