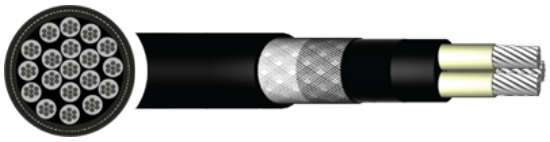
658*TQ Marine Cable BS6883,UKOOA, EPR, SWB, LSZH - 1.5mm² to 300mm²



Description

658TQ Armoured Marine & offshore cables. Suitable for fixed installation in an offshore application, open decked areas and drilling rigs and platforms.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
6 x overall diameter

Flame Retardancy
BS EN/IEC 60332-3-22

Temperature Limits
Temperature Range: -40 to 90°C

Core Colours

White with Black numbers

Standards

- UKOOA
- BS6883
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- BS EN/IEC 60228
- BS EN/IEC 60332-3-22

Construction

- **Conductor**: Up to 1.5mm^2 Class 5 tinned copper
  Above 1.5mm^2 Class 2 tinned copper
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Bedding**: Low Smoke Zero Halogen (LSZH)
- **Armour**: Galvanised Steel Wire Braid (GSWB)
- **Outer Sheath**: SW4 Low smoke zero Halogen (LSZH)

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
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CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

658*TQ Marine Cable BS6883,UKOOA, EPR, SWB, LSZH - 1.5mm² to 300mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	UKOOA Code	Overall Diameter(mm)	Weight(Kg/Km)
6582TQ1/5	1.5	2	7/0.53	WB202	13.3	300
6583TQ1/5	1.5	3	7/0.53	WB302	13.8	325
6584TQ1/5	1.5	4	7/0.53	WB402	15	395
6585TQ1/5	1.5	5	7/0.53	WB502	15.2	407
6586TQ1/5	1.5	6	7/0.53	WB602	16.5	425
6587TQ1/5	1.5	7	7/0.53	WB702	17.2	525
6580/12TQ1/5	1.5	12	7/0.53	WBA02	21.7	790
6580/19TQ1/5	1.5	19	7/0.53	WBB02	24.7	1090
6580/27TQ1/5	1.5	27	7/0.53	WBC02	29.3	1515
6580/37TQ1/5	1.5	37	7/0.53	WBD02	33.2	1870
6582TQ2/5	2.5	2	7/0.67	WB203	14.2	350
6583TQ2/5	2.5	3	7/0.67	WB303	15	400
6584TQ2/5	2.5	4	7/0.67	WB403	16.1	470
6585TQ2/5	2.5	5	7/0.67	WB503	16.9	485
6586TQ2/5	2.5	6	7/0.67	WB603	18.2	550
6587TQ2/5	2.5	7	7/0.67	WB703	18.5	635
6580/12TQ2/5	2.5	12	7/0.67	WBA03	23.9	990
6580/19TQ2/5	2.5	19	7/0.67	WBB03	27.6	1390
6580/27TQ2/5	2.5	27	7/0.67	WBC03	33.2	1990
6580/37TQ2/5	2.5	37	7/0.67	WBD03	36.7	2500
6582TQ4	4	2	7/0.85	WB204	16.6	480
6583TQ4	4	3	7/0.85	WB304	17.3	530
6584TQ4	4	4	7/0.85	WB404	18.4	585
6585TQ4	4	5	7/0.85	WB504	20.2	700
6587TQ4	4	7	7/0.85	WB704	22.7	897
6582TQ6	6	2	7/1.04	WB206	17.9	570
6583TQ6	6	3	7/1.04	WB306	18.7	635
6584TQ6	6	4	7/1.04	WB406	20.1	760
6585TQ6	6	5	7/1.04	WB506	25.01	800
6582TQ10	10	2	7/1.35	WB210	21	750
6583TQ10	10	3	7/1.35	WB310	22.4	930
6584TQ10	10	4	7/1.35	WB410	24	1080
6582TQ16	16	2	7/1.70	WB216	23.7	1020
6583TQ16	16	3	7/1.70	WB316	24.9	1190
6584TQ16	16	4	7/1.70	WB416	26.9	1450
6582TQ25	25	2	19/1.35	WB225	29	1500
6583TQ25	25	3	19/1.35	WB325	30.7	1800
6584TQ25	25	4	19/1.35	WB425	33.6	2500

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	UKOOA Code	Overall Diameter(mm)	Weight(Kg/Km)
6582TQ35	35	2	19/1.53	WB235	31	1810
6583TQ35	35	3	19/1.53	WB335	34	2400
6584TQ35	35	4	19/1.53	WB435	36.2	2880
6582TQ50	50	2	19/1.78	WB250	36	2510
6583TQ50	50	3	19/1.78	WB350	38.1	3000
6584TQ50	50	4	19/1.78	WB450	41	3670
6582TQ70	70	2	19/2.14	WB270	36	2940
6583TQ70	70	3	19/2.14	WB370	42.8	3980
6584TQ70	70	4	19/2.14	WB470	46.1	4840
6582TQ95	95	2	37/1.78	WB295	40.9	3813
6583TQ95	95	3	37/1.78	WB395	48.5	5290
6584TQ95	95	4	37/1.78	WB495	52.6	6310
6582TQ120	120	2	37/2.03	WB20A	44.9	4692
6583TQ120	120	3	37/2.03	WB30A	52.9	6480
6584TQ120	120	4	37/2.03	WB40A	57.4	7770
6582TQ150	150	2	37/2.25	WB20B	48.9	5634
6583TQ150	150	3	37/2.25	WB30B	57.9	7700
6584TQ150	150	4	37/2.25	WB40B	63.1	9400
6583TQ185	185	3	37/2.52	WB30C	63.8	9550
6584TQ185	185	4	37/2.52	WB40C	69.6	11520
6583TQ240	240	3	61/2.25	WB30D	71.5	12300
6584TQ240	240	4	61/2.25	WB40D	78.3	14840
6583TQ300	300	3	61/2.52	WB30E	78.8	14850
6584TQ300	300	4	61/2.52	WB40E	84.9	17938

NOMINAL CROSS SECTIONAL AREA	CONTINUOUS CURRENT RATING			
(MM²)	SINGLE CORE	2 CORE	3 AND 4 CORE	5 CORE
1.5	23	20	16	13
2.5	30	26	21	23
4	40	34	28	30
6	52	44	36	30
10	72	61	50	42
16	96	82	67	56
25	127	108	89	74
35	157	133	110	92
50	196	167	137	115
70	242	206	169	142
95	293	249	205	171
120	339	288	237	198
150	389	331	272	227
185	444	444	311	260
240	522	444	365	305
300	601	511	421	351

Current ratings are based on IEC 60092-352:2005, Annex B, Table B.4, at a maximum conductor temperature of 90°C and ambient air temperature of 45°C. For cables with more than 4 cores, ratings are calculated using $I = I_1 / \sqrt[3]{N}$, where I_1 is the single-core rating and N is the number of cores. Actual permissible current depends on installation conditions and applicable correction factors.

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

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