



658TQ to BS 6883

Application and Description

These cables are designed for use in offshore applications where mechanical protection is not required. Examples of application include fixed wiring in ships and fixed offshore drilling rigs and oil platforms.

Cable Construction

- Fine bare copper strands
- Stranding to BS 6360 Class 2 or IEC 60228 Class 2
- EPR(Ethylene Propylene Rubber) rubber insulation to BS 6899
- GSWB (Galvanized steel wire braid) armour
- LSOH(Low Smoke Zero Halogen), type SW4 to BS 6899

Core Identification

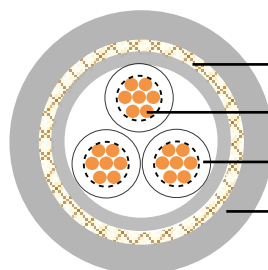
white insulation with black numerals

Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: up to 10mm² - 3xOverall diameter
10mm²-25mm² - 4xOverall diameter
Above 25mm² - 6xOverall diameter
- Temperature Range: -25° C to +85° C
- Oxygen Index 32%, HCL 5%
- Flame retardant: IEC 60332.1



658TQ



- Galvanized steel wire braid
- Bare copper conductor
- EPR insulation
- LSOH outer jacket

658TQ



Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Bedding mm	Diameter of Braid Wire mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
6582TQ							
17(7/26)	2x1.0	0.8	1	0.3	1.2	12.1	230
16(7/24)	2x1.5	0.8	1.1	0.3	1.2	12.7	250
14(7/22)	2x2.5	0.8	1.1	0.3	1.2	13.9	305
12(7/20)	2x4	1	1.2	0.3	1.3	16.3	420
10(7/18)	2x6	1	1.2	0.3	1.4	17.6	515
8(7/16)	2x10	1.2	1.3	0.3	1.5	20.7	725
6(7/14)	2x16	1.2	1.4	0.3	1.6	23.4	975
4(7/12)	2x25	1.4	1.5	0.3	1.7	28.1	1340
2(7/10)	2x35	1.4	1.6	0.3	1.8	30.1	1540
1(19/13)	2x50	1.6	1.7	0.45	2	35.1	2140
2/0(19/11)	2x70	1.6	1.9	0.45	2.2	39.3	2820
3/0(19/10)	2x95	1.8	2.1	0.45	2.3	44.4	3690
4/0(37/12)	2x120	1.8	2.2	0.45	2.5	48.5	4380
300MCM (37/11)	2x150	2	2.3	0.45	2.7	53.4	5360
350MCM (37/10)	2x185	2.2	2.5	0.45	2.9	58.8	6550
500MCM (61/11)	2x240	2.4	2.8	0.45	3.2	65.8	8310
-(61/10)	2x300	2.6	3	0.45	3.4	72.7	10200
6583TQ							
17(7/26)	3x1.0	0.8	1.1	0.3	1.2	12.5	245
16(7/24)	3x1.5	0.8	1.1	0.3	1.2	13.4	280
14(7/22)	3x2.5	0.8	1.1	0.3	1.3	14.7	360
12(7/20)	3x4	1	1.2	0.3	1.3	17	475
10(7/18)	3x6	1	1.2	0.3	1.4	18.4	586
8(7/16)	3x10	1.2	1.3	0.3	1.5	22.1	860
6(7/14)	3x16	1.2	1.4	0.3	1.6	24.6	1150
4(7/12)	3x25	1.4	1.6	0.3	1.8	29.8	1640
2(7/10)	3x35	1.4	1.7	0.45	1.9	33.1	2030
1(19/13)	3x50	1.6	1.8	0.45	2.2	37.2	2640
2/0(19/11)	3x70	1.6	2	0.45	2.2	41.9	3480
3/0(19/10)	3x95	1.8	2.2	0.45	2.5	47.6	4650



Industrial Cables to British Standard

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Bedding mm	Diameter of Braid Wire mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
4/0(37/12)	3x120	1.8	2.3	0.45	2.6	52	5540
300MCM (37/11)	3x150	2	2.5	0.45	2.8	57.9	6770
350MCM (37/10)	3x185	2.2	2.7	0.45	3	62.9	8310
500MCM (61/11)	3x240	2.4	2.9	0.45	3.3	70.6	10680
-(61/10)	3x300	2.6	3.2	0.45	3.6	77.9	13100
6584TQ							
17(7/26)	4x1.0	0.8	1.1	0.3	1.2	13.4	300
16(7/24)	4x1.5	0.8	1.1	0.3	1.2	14.2	320
14(7/22)	4x2.5	0.8	1.1	0.3	1.3	15.7	410
12(7/20)	4x4	1	1.2	0.3	1.4	18.4	570
10(7/18)	4x6	1	1.3	0.3	1.5	20.1	720
8(7/16)	4x10	1.2	1.4	0.3	1.6	24	1050
6(7/14)	4x16	1.2	1.5	0.3	1.7	26.9	1410
4(7/12)	4x25	1.4	1.7	0.45	1.9	33.6	2160
2(7/10)	4x35	1.4	1.8	0.45	2	36.1	2510
1(19/13)	4x50	1.6	1.9	0.45	2.2	41	3290
2/0(19/11)	4x70	1.6	2.1	0.45	2.4	46.1	4410
3/0(19/10)	4x95	1.8	2.3	0.45	2.6	52.6	5880
4/0(37/12)	4x120	1.8	2.5	0.45	2.8	57.4	7050
300MCM (37/11)	4x150	2	2.7	0.45	3	63.1	8620
350MCM (37/10)	4x185	2.2	2.9	0.45	3.5	69.6	10620
500MCM (61/11)	4x240	2.4	3.2	0.45	3.6	78.3	13580
-(61/10)	4x300	2.6	3.5	0.45	3.9	82.6	16760
6585TQ							
16(7/24)	5x1.5	0.8	0.8	0.3	1.3	15.6	370
14(7/22)	5x2.5	0.8	0.8	0.3	1.3	17.4	470
12(7/20)	5x4	1	1	0.3	1.5	20.3	680
6586TQ							
16(7/24)	6x1.5	0.8	1.2	0.3	1.3	17	420
14(7/22)	6x2.5	0.8	1.2	0.3	1.4	18.5	545
12(7/20)	6x4	1	1.3	0.3	1.5	21.7	765



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6588TQ							
16(7/24)	8x1.5	0.8	1.2	0.3	1.3	18.1	545
14(7/22)	8x2.5	0.8	1.3	0.3	1.4	20.5	735
12(7/20)	8x4	1	1.4	0.3	1.5	23.7	1000
65812TQ							
16(7/24)	12x1.5	0.8	1.3	0.3	1.3	21.7	685
14(7/22)	12x2.5	0.8	1.4	0.3	1.4	24	919
12(7/20)	12x4	1	1.6	0.3	1.5	28.2	1240
65816TQ							
16(7/24)	16x1.5	0.8	1.4	0.3	1.3	23.1	791
14(7/22)	16x2.5	0.8	1.5	0.3	1.4	25.9	840
65820TQ							
16(7/24)	20x1.5	0.8	1.4	0.3	1.3	23.9	871
14(7/22)	20x2.5	0.8	1.5	0.3	1.4	26.9	1190
65821TQ							
16(7/24)	21x1.5	0.8	1.5	0.3	1.3	25.4	984
14(7/22)	21x2.5	0.8	1.6	0.3	1.4	28.5	1320
65824TQ							
16(7/24)	24x1.5	0.8	1.6	0.3	1.3	27.9	1130
14(7/22)	24x2.5	0.8	1.7	0.45	1.4	32.2	1650
65827TQ							
16(7/24)	27x1.5	0.8	1.6	0.3	1.3	28.3	1210
14(7/22)	27x2.5	0.8	1.7	0.45	1.4	32.6	1760