



### 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

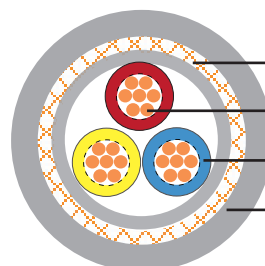
- Fine bare copper strands
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2
- EPR(Ethylene Propylene Rubber) rubber insulation to BS 7655
- GSWB (Galvanized steel wire braid) armour
- LSOH(Low Smoke Zero Halogen), type SW4 to BS 7655

#### Core Identification

- 2 core: Black, red
- 3 core: Red, yellow, blue
- 4 core: Red, yellow, blue, black
- 5 cores and above: white insulation with black numerals

#### Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 3500 volts
- Minimum bending radius: up to 10mm<sup>2</sup> - 3xOverall diameter  
10mm<sup>2</sup>-25mm<sup>2</sup> - 4xOverall diameter  
Above 25mm<sup>2</sup> - 6xOverall diameter
- Temperature Range: -25° C to +85° C
- Oxygen Index 32%, HCL 5%
- Flame retardant: IEC 60332.3



- 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 <sup>2</sup>	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
<b>6582TQ</b>							
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	1.0	1.3	0.3	1.5	20.7	725
6(7/14)	2x16	1.0	1.4	0.3	1.6	23.4	975
4(7/12)	2x25	1.2	1.5	0.3	1.7	28.1	1340
2(7/10)	2x35	1.2	1.6	0.3	1.8	30.1	1540
1(19/13)	2x50	1.4	1.7	0.45	2	35.1	2140
2/0(19/11)	2x70	1.4	1.9	0.45	2.2	39.3	2820
3/0(19/10)	2x95	1.6	2.1	0.45	2.3	44.4	3690
4/0(37/12)	2x120	1.6	2.2	0.45	2.5	48.5	4380
300MCM (37/11)	2x150	1.8	2.3	0.45	2.7	53.4	5360
350MCM (37/10)	2x185	2.0	2.5	0.45	2.9	58.8	6550
500MCM (61/11)	2x240	2.2	2.8	0.45	3.2	65.8	8310
-(61/10)	2x300	2.4	3	0.45	3.4	72.7	10200
<b>6583TQ</b>							
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	1.0	1.3	0.3	1.5	22.1	860
6(7/14)	3x16	1.0	1.4	0.3	1.6	24.6	1150
4(7/12)	3x25	1.2	1.6	0.3	1.8	29.8	1640
2(7/10)	3x35	1.2	1.7	0.45	1.9	33.1	2030
1(19/13)	3x50	1.4	1.8	0.45	2.2	37.2	2640
2/0(19/11)	3x70	1.4	2	0.45	2.2	41.9	3480
3/0(19/10)	3x95	1.6	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 <sup>2</sup>	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	1.6	2.3	0.45	2.6	52	5540
300MCM (37/11)	3x150	1.8	2.5	0.45	2.8	57.9	6770
350MCM (37/10)	3x185	2.0	2.7	0.45	3	62.9	8310
500MCM (61/11)	3x240	2.2	2.9	0.45	3.3	70.6	10680
-(61/10)	3x300	2.4	3.2	0.45	3.6	77.9	13100
<b>6584TQ</b>							
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	1.0	1.4	0.3	1.6	24	1050
6(7/14)	4x16	1.0	1.5	0.3	1.7	26.9	1410
4(7/12)	4x25	1.2	1.7	0.45	1.9	33.6	2160
2(7/10)	4x35	1.2	1.8	0.45	2	36.1	2510
1(19/13)	4x50	1.4	1.9	0.45	2.2	41	3290
2/0(19/11)	4x70	1.4	2.1	0.45	2.4	46.1	4410
3/0(19/10)	4x95	1.6	2.3	0.45	2.6	52.6	5880
4/0(37/12)	4x120	1.6	2.5	0.45	2.8	57.4	7050
300MCM (37/11)	4x150	1.8	2.7	0.45	3	63.1	8620
350MCM (37/10)	4x185	2.0	2.9	0.45	3.5	69.6	10620
500MCM (61/11)	4x240	2.2	3.2	0.45	3.6	78.3	13580
-(61/10)	4x300	2.4	3.5	0.45	3.9	82.6	16760
<b>6585TQ</b>							
16(7/24)	5x1.5	0.8	1.1	0.3	1.3	15.6	370
14(7/22)	5x2.5	0.8	1.2	0.3	1.3	17.4	470
<b>6587TQ</b>							
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
<b>65812TQ</b>							
16(7/24)	12x1.5	0.8	1.3	0.3	1.5	21.7	685
14(7/22)	12x2.5	0.8	1.4	0.3	1.6	24	919



AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm <sup>2</sup>	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
<b>65819TQ</b>							
16(7/24)	19x1.5	0.8	1.4	0.3	1.6	23.9	871
14(7/22)	19x2.5	0.8	1.5	0.3	1.7	26.9	1190
<b>65827TQ</b>							
16(7/24)	27x1.5	0.8	1.6	0.3	1.8	28.3	1210
<b>65837TQ</b>							
14(7/22)	37x2.5	0.8	1.7	0.45	1.9	32.6	1760