



### 657TQ 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

- Tinned anneal copper strands
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2
- EPR(Ethylene Propylene Rubber) rubber insulation to BS 7655
- LSOH(Low Smoke Zero Halogen), type SW4 to BS 7655

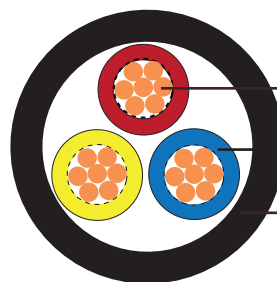
#### Core Identification

- 1 core: Black or red
- 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



- Bare copper conductor
- EPR rubber insulation
- LSOH outer jacket

- 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

657TQ

- Temperature Range: -25° C to +85° C
- Oxygen Index 32%, HCL 5%
- Flame retardant: IEC 60332.3



### 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 Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
<b>6571TQ</b>					
17(7/26)	1X1.0	0.8	1	5.2	41
16(7/24)	1X1.5	0.8	1	5.5	47
14(7/22)	1X2.5	0.8	1	6	55
12(7/20)	1X4	1.0	1	6.9	84
10(7/18)	1X6	1.0	1	7.5	110
8(7/16)	1X10	1.0	1.1	9	165
6(7/14)	1X16	1.0	1.1	10.1	235
4(7/12)	1X25	1.2	1.2	12.4	375
2(7/10)	1X35	1.2	1.2	13.3	460
1(19/13)	1X50	1.4	1.3	15.2	670
2/0(19/11)	1X70	1.4	1.4	17.2	835
3/0(19/10)	1X95	1.6	1.4	19.3	1200
4/0(37/12)	1X120	1.6	1.5	21.4	1410
300MCM(37/11)	1X150	1.8	1.6	23.5	1890
350MCM(37/10)	1X185	2	1.7	26	2360
500MCM(61/11)	1X240	2.2	1.8	29.2	3050
-(61/10)	1X300	2.4	1.9	32.3	3700
-(61/9)	1X400	2.6	2.1	36.4	4400
-(61/8)	1X500	2.8	2.2	40.2	5360
-(127/10)	1X630	2.8	2.3	44.1	6660
<b>6572TQ</b>					
17(7/26)	2X1.0	0.8	1	8	85
16(7/24)	2X1.5	0.8	1	8.6	115
14(7/22)	2X2.5	0.8	1.1	9.8	147
12(7/20)	2X4	1.0	1.2	12	225
10(7/18)	2X6	1.0	1.2	13.1	285
8(7/16)	2X10	1.0	1.3	16	440
6(7/14)	2X16	1.0	1.4	18.3	635
4(7/12)	2X25	1.2	1.6	22.9	1020
2(7/10)	2X35	1.2	1.6	24.7	1230
1(19/13)	2X50	1.4	1.8	28.4	1650
2/0(19/11)	2X70	1.4	1.9	32.3	2200



## 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 Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
3/0(19/10)	2X95	1.6	2.1	37	2940
4/0(37/12)	2X120	1.6	2.2	40.8	3680
300MCM(37/11)	2X150	1.8	2.4	45.1	4450
350MCM(37/10)	2X185	2	2.6	50	5600
500MCM(61/11)	2X240	2.2	2.8	56.6	7260
-(61/10)	2X300	2.4	3	62.7	9020
<b>6573TQ</b>					
17(7/26)	3X1.0	0.8	1	8.4	95
16(7/24)	3X1.5	0.8	1.1	9.3	130
14(7/22)	3X2.5	0.8	1.1	10.4	175
12(7/20)	3X4	1.0	1.2	12.7	270
10(7/18)	3X6	1.0	1.2	13.9	355
8(7/16)	3X10	1.0	1.4	17.2	570
6(7/14)	3X16	1.0	1.4	19.5	790
4(7/12)	3X25	1.2	1.6	24.4	1290
2(7/10)	3X35	1.2	1.7	26.5	1590
1(19/13)	3X50	1.4	1.8	30.3	2150
2/0(19/11)	3X70	1.4	2	34.7	2920
3/0(19/10)	3X95	1.6	2.2	39.7	3790
4/0(37/12)	3X120	1.6	2.3	43.8	4790
300MCM(37/11)	3X150	1.8	2.5	48.4	5860
350MCM(37/10)	3X185	2	2.7	53.9	7290
500MCM(61/11)	3X240	2.2	3	61.1	9500
-(61/10)	3X300	2.4	3.2	67.6	11960
<b>6574TQ</b>					
17(7/26)	4X1.0	0.8	1.1	9.3	130
16(7/24)	4X1.5	0.8	1.1	10.1	160
14(7/22)	4X2.5	0.8	1.1	11.4	220
12(7/20)	4X4	1.0	1.2	13.9	345
10(7/18)	4X6	1.0	1.3	15.4	450
8(7/16)	4X10	1.0	1.4	18.9	700
6(7/14)	4X16	1.0	1.5	21.7	1020
4(7/12)	4X25	1.2	1.7	27.1	1630
2(7/10)	4X35	1.2	1.8	29.4	2058
1(19/13)	4X50	1.4	2	33.9	2700



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 Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2/0(19/11)	4X70	1.4	2.1	38.5	3730
3/0(19/10)	4X95	1.6	2.4	44.5	4960
4/0(37/12)	4X120	1.6	2.5	48.9	6240
300MCM(37/11)	4X150	1.8	2.7	54.1	7600
350MCM(37/10)	4X185	2	2.9	60	9510
500MCM(61/11)	4X240	2.2	3.2	68	12410
-(61/10)	4X300	2.4	3.5	75.7	15200
<b>6575TQ</b>					
16(7/24)	5X1.5	0.8	1.1	11	190
14(7/22)	5X2.5	0.8	1.2	12.6	280
<b>6577TQ</b>					
17(7/26)	7X1.5	0.8	1.2	12.2	260
16(7/24)	7X2.5	0.8	1.2	14	365
<b>65712TQ</b>					
17(7/26)	12X1.5	0.8	1.3	15.9	380
16(7/24)	12X2.5	0.8	1.4	18.6	589
<b>65719TQ</b>					
17(7/26)	19X1.5	0.8	1.4	18.8	590
16(7/24)	19X2.5	0.8	1.5	22	810
<b>65727TQ</b>					
17(7/26)	27X1.5	0.8	1.6	22.8	820
<b>65737TQ</b>					
17(7/26)	37X1.5	0.8	1.7	25.9	1120