



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 Class 2 or IEC 60228 Class 2
- EPR(Ethylene Propylene Rubber) rubber insulation to BS 6899
- LSOH(Low Smoke Zero Halogen), type SW4 to BS 6899

Core Identification

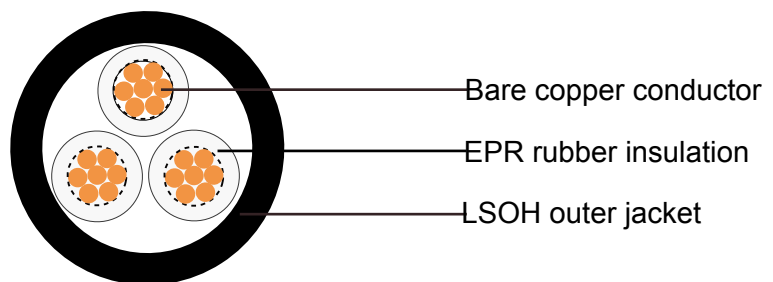
- 1 core: Black or Green/Yellow
- 2 cores and above: white insulation with black numerals

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
- Insulation resistance: 20 MΩxkm



657TQ



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



AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
3/0(19/10)	2X95	1.8	2.1	37	2940
4/0(37/12)	2X120	1.8	2.2	40.8	3680
300MCM(37/11)	2X150	2	2.4	45.1	4450
350MCM(37/10)	2X185	2.2	2.6	50	5600
500MCM(61/11)	2X240	2.4	2.8	56.6	7260
-(61/10)	2X300	2.6	3	62.7	9020
6573TQ					
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	1.2	12.7	270
10(7/18)	3X6	1	1.2	13.9	355
8(7/16)	3X10	1.2	1.4	17.2	570
6(7/14)	3X16	1.2	1.4	19.5	790
4(7/12)	3X25	1.4	1.6	24.4	1290
2(7/10)	3X35	1.4	1.7	26.5	1590
1(19/13)	3X50	1.6	1.8	30.3	2150
2/0(19/11)	3X70	1.6	2	34.7	2920
3/0(19/10)	3X95	1.8	2.2	39.7	3790
4/0(37/12)	3X120	1.8	2.3	43.8	4790
300MCM(37/11)	3X150	2	2.5	48.4	5860
350MCM(37/10)	3X185	2.2	2.7	53.9	7290
500MCM(61/11)	3X240	2.4	3	61.1	9500
-(61/10)	3X300	2.6	3.2	67.6	11960
6574TQ					
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	1.2	13.9	345
10(7/18)	4X6	1	1.3	15.4	450
8(7/16)	4X10	1.2	1.4	18.9	700
6(7/14)	4X16	1.2	1.5	21.7	1020
4(7/12)	4X25	1.4	1.7	27.1	1630
2(7/10)	4X35	1.4	1.8	29.4	2058
1(19/13)	4X50	1.6	2	33.9	2700



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 Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2/0(19/11)	4X70	1.6	2.1	38.5	3730
3/0(19/10)	4X95	1.8	2.4	44.5	4960
4/0(37/12)	4X120	1.8	2.5	48.9	6240
300MCM(37/11)	4X150	2	2.7	54.1	7600
350MCM(37/10)	4X185	2.2	2.9	60	9510
500MCM(61/11)	4X240	2.4	3.2	68	12410
-(61/10)	4X300	2.6	3.5	75.7	15200
6575TQ					
17(7/26)	5X1.0	0.8	1.1	10.1	155
16(7/24)	5X1.5	0.8	1.1	11	190
14(7/22)	5X2.5	0.8	1.2	12.6	280
12(7/20)	5X4	1	1.3	15.3	425
6576TQ					
17(7/26)	6X1.0	0.8	1.1	11.1	180
16(7/24)	6X1.5	0.8	1.2	12.2	240
14(7/22)	6X2.5	0.8	1.2	13.7	330
12(7/20)	6X4	1	1.3	16.7	505
6577TQ					
17(7/26)	7X1.5	0.8	1.2	12.2	260
16(7/24)	7X2.5	0.8	1.2	14	365
65712TQ					
17(7/26)	12X1.5	0.8	1.2	15.9	380
16(7/24)	12X2.5	0.8	1.2	18.6	589
65716TQ					
17(7/26)	16X1.5	0.8	1.2	17.8	500
16(7/24)	16X2.5	0.8	1.2	20.9	750
65719TQ					
17(7/26)	19X1.5	0.8	1.2	18.8	590
16(7/24)	19X2.5	0.8	1.2	22	860
65724TQ					
17(7/26)	24X1.5	0.8	1.2	21.8	740
16(7/24)	24X2.5	0.8	1.2	25.9	1090