

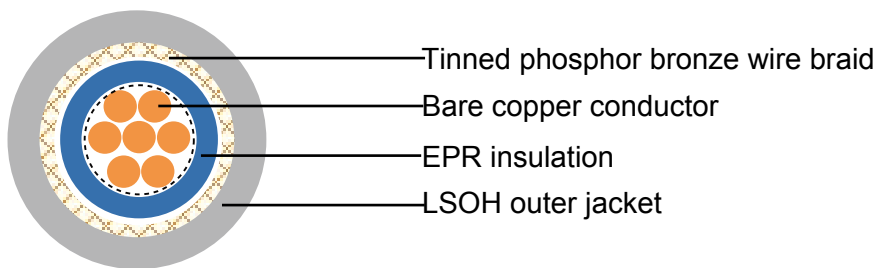


### 6591TQ to BS 6883

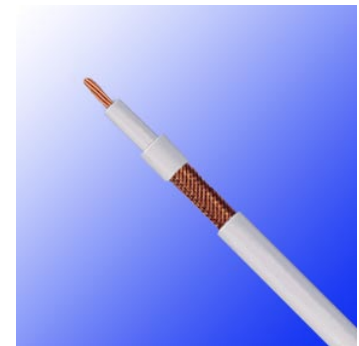
#### Application and Description

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



6591TQ



6591TQ

- Fine bare copper strands
- Stranding to BS 6360 Class 2 or IEC 60228 Class 2
- EPR(Ethylene Propylene Rubber) rubber insulation to BS 6899, white
- TPBWB (Tinned phosphor bronze wire braid) non-magnetic armour
- LSOH (Low Smoke Zero Halogen), type SW4 to BS 6899

#### Technical Characteristics

- Working voltage: 600/1000 volts
- Test voltage: 2000 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 60332.1
- Insulation resistance: 20 MΩxkm



### 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
17(7/26)	1x1.0	0.8	1	0.3	1	8.8	135
16(7/24)	1x1.5	0.8	1	0.3	1.1	9.3	145
14(7/22)	1x2.5	0.8	1	0.3	1.1	9.8	165
12(7/20)	1x4	1	1	0.3	1.1	10.8	190
10(7/18)	1x6	1	1	0.3	1.1	11.4	225
8(7/16)	1x10	1	1	0.3	1.2	13.1	315
6(7/14)	1x16	1	1	0.3	1.2	14.2	395
4(7/12)	1x25	1.2	1.2	0.3	1.3	16.7	565
2(7/10)	1x35	1.2	1.2	0.3	1.4	17.8	670
1(19/13)	1x50	1.4	1.4	0.3	1.4	19.7	865
2/0(19/11)	1x70	1.4	1.4	0.3	1.5	22.1	1120
3/0(19/10)	1x95	1.6	1.6	0.3	1.6	24.4	1440
4/0(37/12)	1x120	1.6	1.6	0.3	1.7	26.6	1780
300MCM (37/11)	1x150	1.8	1.8	0.3	1.8	28.9	2120
350MCM (37/10)	1x185	2	2	0.45	1.9	32.5	2700
500MCM (61/11)	1x240	2.2	2.2	0.45	2	36	3410
-(61/10)	1x300	2.4	2.4	0.45	2.2	39.4	4180
-(61/9)	1x400	2.6	2.6	0.45	2.3	43.9	5280
-(61/8)	1x500	2.8	2.8	0.45	2.5	48.1	6480
-(127/10)	1x630	2.8	2.8	0.45	2.6	52.3	7820