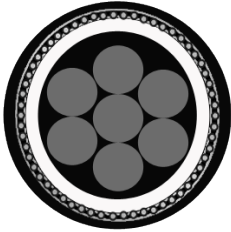


BS 6883 6591 TQ SINGLE CORE MARINE CABLE 6MM² - 630MM²



APPLICATION

6591TQ Marine and offshore armoured cable. Suitable for power, control and lighting for fixed installations in all areas in ships and offshore units including accommodation and open decked areas exposed to the elements.

CABLE STANDARDS

BS6883
IEC90092-353
IEC60331-21
IEC60332-2
IEC60332-2-22
IEC60751-2, 2
IEC61034-1, 2

CONSTRUCTION

Conductor: Tinned annealed stranded copper conductors

Insulation: Ethylene propylene rubber (EPR) insulated

Bedding: Low smoke, zero halogen bedding

Armouring: Tinned phosphor bronze braided armour

Sheath: LSF SW4 outer sheath

Sheath Colour: Black

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Limits: -40°C (fixed installation) to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

White

Should not be installed at temperatures below -15°C

BS 6883 6591 TQ SINGLE CORE MARINE CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO. OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER	UKOOA CODE
6591TQ6	6	7/1.04	1	245	11.70	WA106
6591TQ10	10	7/1.35	1	320	13.40	WA110
6591TQ16	16	7/1.70	1	395	14.50	WA116
6591TQ25	25	19/1.35	1	565	17.30	WA125
6591TQ35	35	19/1.53	1	740	18.40	WA135
6591TQ50	50	19/1.78	1	940	20.3	WA150
6591TQ70	70	19/2.14	1	1270	22.70	WA170
6591TQ95	95	37/1.78	1	1600	25.00	WA195
6591TQ120	120	37/2.03	1	1930	27.20	WA10A
6591TQ150	150	37/2.25	1	2330	29.50	WA10B
6591TQ185	185	37/2.52	1	3000	33.10	WA10C
6591TQ240	240	61/2.25	1	3710	36.60	WA10D
6591TQ300	300	61/2.52	1	4480	40.00	WA10E
6591TQ400	400	91/2.36	1	5340	43.90	WA10F
6591TQ500	500	91/2.65	1	6540	48.10	WA10G
6591TQ630	630	127/2.52	1	800	52.30	WA10H

BS 6883 6591 TQ SINGLE CORE MARINE CABLE – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	CONTINUOUS CURRENT RATING									MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
	SINGLE CORE	2 CORE	3 AND 4 CORE	5 CORE	7 CORE	12 CORE	19 CORE	27 CORE	37 CORE	
1.5	23	20	16	12	10	9	7	6.5	6	13.70
2.5	30	26	21	16	15	12	10	9	8	7.560
4	40	34	28	-	-	-	-	-	-	4.70
6	52	44	36	-	-	-	-	-	-	3.11
10	72	61	50	-	-	-	-	-	-	1.84
16	96	82	67	-	-	-	-	-	-	1.16
25	127	108	89	-	-	-	-	-	-	0.734
35	157	133	110	-	-	-	-	-	-	0.529
50	196	167	137	-	-	-	-	-	-	0.391
70	242	206	169	-	-	-	-	-	-	0.270
95	293	249	205	-	-	-	-	-	-	0.195
120	339	288	237	-	-	-	-	-	-	0.154
150	389	331	272	-	-	-	-	-	-	0.126
185	444	377	311	-	-	-	-	-	-	0.100
240	522	444	365	-	-	-	-	-	-	0.076
300	601	511	421	-	-	-	-	-	-	0.061
400	719	611	503	-	-	-	-	-	-	0.048
500	827	703	579	-	-	-	-	-	-	0.037

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.