



## 657MG-TQ unarmoured BS6883 BS7917 IEC60332

<b>Applications:</b>	Fixed installations in all areas and on open deck in ships and offshore units.
<b>Conductor:</b>	Tinned annealed stranded copper
<b>Insulation:</b>	MGT (Mica Glass Tape) with EPR (Ethylene Propylene Rubber), white insulation with black numbers
<b>Sheath/Jacket:</b>	Low Smoke Zero Halogen (ZHAL), type: SW4
<b>Colour:</b>	Black
<b>Operating Temperature:</b>	Maximum 85°C, minimum bending -25°C
<b>Voltage:</b>	600/1000v
<b>Standards:</b>	BS6883: shipboard cable, BS7917: fire resistant shipboard cable, IEC60332-3-22: flame retardancy, IEC60754-1 and 2: corrosivity, IEC61034-2: smoke density, NEK 606: oil & mud resistance



### Two Core: 6572 MG TQ Fire Resisting

Size sq.mm	Current rating amps	Voltage Drop		Max DC conductor resistance at 20°C OHM/KM	Nominal overall diameter mm	BATT part no
		DC MV/A/M	Single phase AC MV/A/M			
1	14	54	54	18.2	9.4	-
1.5	18	35	35	12.2	10.1	10084
2.5	25	18	18	7.56	10.9	10112
4	34	12	12	4.7	13	-
6	43	7.8	7.8	3.11	13.8	-
10	60	4.6	4.6	1.84	15.7	-
16	81	2.7	2.7	1.16	18	-
25	105	1.7	1.7	0.734	22.2	-
35	135	1.2	1.2	0.529	24.1	-
50	165	0.98	1	0.391	27.4	-
70	200	0.68	0.7	0.270	31.5	-
95	250	0.49	0.53	0.195	36.4	-
120	290	0.39	0.43	0.154	39.4	-
150	330	0.31	0.36	0.126	43.4	-
185	370	0.25	0.32	0.1	48.1	-
240	445	0.19	0.27	0.0762	57.7	-
300	505	0.15	0.24	0.0607	63.9	-

### Three Core: 6573 MG TQ Fire Resisting

Size sq.mm	Current rating amps	Voltage Drop – Three phase AC MV/A/M	Max DC conductor resistance at 20°C OHM/KM	Nominal overall diameter mm	BATT part no
1	12	47	18.2	10.1	-
1.5	15	30	12.2	10.8	10100
2.5	21	16	7.56	11.6	10315
4	29	10	4.7	13.8	-
6	36	6.7	3.11	14.7	10015
10	50	4	1.84	16.7	10017
16	67	2.3	1.16	19.2	10021
25	89	1.5	0.734	23.9	10041
35	1085	1.1	0.529	25.9	10054
50	135	0.89	0.391	29.5	10066
70	170	0.64	0.270	33.9	10106
95	205	0.50	0.195	39.1	-
120	240	0.44	0.154	42.5	-
150	270	0.38	0.126	46.8	-
185	305	0.34	0.1	52	-
240	365	0.31	0.0762	62.1	-
300	415	0.29	0.0607	68.8	-

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**Four Core: 6574 MG TQ Fire Resisting**

Size sq.mm	Current rating amps	Voltage Drop – Three phase AC MV/A/M	Max DC conductor resistance at 20°C OHM/KM	Nominal overall diameter mm	BATT part no
1	12	47	18.2	11.1	-
1.5	15	30	12.2	11.7	10189
2.5	21	16	7.56	12.6	-
4	29	10	4.7	15.1	-
6	36	6.7	3.11	16.3	-
10	50	4	1.84	18.6	-
16	67	2.3	1.16	21.4	-
25	89	1.5	0.734	26.5	-
35	1085	1.1	0.529	28.7	-
50	135	0.89	0.391	33.1	-
70	170	0.64	0.270	37.5	-
95	205	0.50	0.195	43.5	-
120	240	0.44	0.154	47.3	-
150	270	0.38	0.126	52.2	-
185	305	0.34	0.1	57.9	-
240	365	0.31	0.0762	69.3	-
300	415	0.29	0.0607	76.9	-

**Five – Nineteen Core: 6575-19 MG TQ Fire Resisting**

No of cores	Size sq.mm	Current rating amps	Voltage Drop		Max DC conductor resistance at 20°C OHM/KM	Nominal overall diameter mm	BATT part no
			DC MV/A/M	Single phase AC MV/A/M			
5	1.5	12	35	23	12.20	12.7	-
7	1.5	10	35	23	12.20	14.0	-
12	1.5	8.5	35	23	12.20	18.5	10186
19	1.5	7	35	23	12.20	21.9	10117
27	1.5	6.5	35	23	12.20	26.6	-
37	1.5	6	35	23	12.20	26.9	-
5	2.5	17	18	18	7.56	13.9	-
7	2.5	14	18	18	7.56	15.1	-
12	2.5	12	18	18	7.56	20.2	-
19	2.5	10	18	18	7.56	24	-