

## 658MG TQ BS7917

Stranded tinned copper conductors to BS6360, fire barrier tape (MGT), EPR (Ethylene Propylene Rubber) insulated to BS7655/LSZH bedded to BS7655 type SW4/GSWB (Galvanised Steel Wire Braid armoured/ZHAL sheathed to BS7655 type SW4 Low Smoke. 600/1000 volts to BS6883

### TWO CORE : REF 6582 MG TQ FIRE RESISTING

SIZE SQ.MM	CURRENT RATING AMPS	VOLTAGE DROP		MAX DC CONDUCTOR RESISTANCE @ 20 deg C OHM/KM	GROSS CROSS-SECTIONAL AREA OF BRAID MMSQ	NOMINAL OVERALL DIAMETER MM	BATT PART NO	UKOOA PART NO
		DC MV/A/M	SINGLE PHASE AC MV/A/M					
1.0	14	54.00	54.00	18.20	6.79	13.90		
1.5	18	35.00	35.00	12.20	6.79	14.60	67629	
2.5	25	18.00	18.00	7.56	6.79	15.40	67146	
4	34	12.00	12.00	4.70	6.79	17.70	67667	
6	43	7.80	7.80	3.11	6.79	18.80	67010	YD206
10	60	4.60	4.60	1.84	8.48	20.70	67266	
16	81	2.70	2.70	1.16	10.18	23.40	67620	YD216
25	105	1.70	1.70	0.734	11.88	27.80		
35	135	1.20	1.20	0.529	13.57	29.90	67622	YD235
50	165	0.98	1.00	0.391	26.72	34.60		
70	200	0.68	0.70	0.270	30.54	38.90		
95	250	0.49	0.53	0.195	34.35	44.40	67653	
120	290	0.39	0.43	0.154	34.35	47.80		
150	330	0.31	0.36	0.126	38.17	52.10		
185	370	0.25	0.32	0.100	45.80	57.20		
240	445	0.19	0.27	0.0762	57.26	67.50		
300	505	0.15	0.24	0.0607	62.98	74.20		

### THREE CORE : REF 6583 MG TQ FIRE RESISTING

SIZE SQ.MM	CURRENT RATING AMPS	VOLTAGE DROP THREE PHASE AC MV/A/M	MAX DC CONDUCTOR RESISTANCE @ 20 deg C OHM/KM	GROSS CROSS-SECTIONAL AREA OF BRAID MMSQ	NOMINAL OVERALL DIAMETER MM	BATT PART NO	UKOOA PART NO
1.5	15	30.00	12.20	6.79	15.20	67400	
2.5	21	16.00	7.56	6.79	16.30	67625	
4	29	10.00	4.70	6.79	18.50	67626	YD304
6	36	6.70	3.11	8.48	19.60	67632	
10	50	4.00	1.84	8.48	22.10	67624	YD310
16	67	2.30	1.16	10.18	24.70	67053	
25	89	1.50	0.734	11.88	29.70	67677	
35	105	1.10	0.529	13.57	32.90	67742	
50	135	0.89	0.391	26.72	36.70		
70	170	0.64	0.270	30.54	41.60		
95	205	0.50	0.195	34.35	47.30		
120	240	0.44	0.154	38.17	50.90		
150	270	0.38	0.126	45.80	55.90		
185	305	0.34	0.100	51.53	61.40		
240	365	0.31	0.0762	62.98	72.10		
300	415	0.29	0.0607	62.98	79.50		

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### FOUR CORE : REF 6584 MG TQ FIRE RESISTING

SIZE SQ.MM	CURRENT RATING AMPS	VOLTAGE DROP THREE PHASE AC MV/A/M	MAX DC CONDUCTOR RESISTANCE @ 20 deg C OHM/KM	GROSS CROSS-SECTIONAL AREA OF BRAID MMSQ	NOMINAL OVERALL DIAMETER MM	BATT PART NO	UKOOA PART NO
1.0	12	47.00	18.20	6.79	15.60		
1.5	15	30.00	12.20	6.79	16.50	67317	
2.5	21	16.00	7.56	6.79	17.40	67270	
4	29	10.00	4.70	8.48	20.00	67628	
6	36	6.70	3.11	8.48	21.60	67713	
10	50	4.00	1.84	10.18	24.10	67654	YD410
16	67	2.30	1.16	11.88	27.00	67627	YD416
25	89	1.50	0.734	13.57	32.70	67743	
35	105	1.10	0.529	26.72	35.90		
50	135	0.89	0.391	30.54	40.70		
70	170	0.64	0.270	34.35	15.70		
95	205	0.50	0.195	38.17	52.10		
120	240	0.44	0.154	45.80	56.30	67651	YD40A
150	270	0.38	0.126	51.53	61.80		
185	305	0.34	0.100	57.26	67.80		
240	365	0.31	0.0762	62.98	80.00		
300	415	0.29	0.0607	68.71	88.20		

### FIVE- NINETEEN CORE : REF 6585-19 MG TQ FIRE RESISTING

NO. OF CORES	SIZE SQ.MM	CURRENT RATING AMPS	VOLTAGE DROP		MAX DC CONDUCTOR RESISTANCE @ 20 deg C OHM/KM	GROSS CROSS-SECTIONAL AREA OF BRAID MMSQ	NOMINAL OVERALL DIAMETER MM	BATT PART NO	UKOOA PART NO
			DC MV/A/M	SINGLE PHASE AC MV/A/M					
5	1.5	12	35.00	35.00	12.20	6.79	17.50		
7	1.5	10	35.00	35.00	12.20	6.79	18.80	67630	YD702
12	1.5	8.5	35.00	35.00	12.20	10.18	23.90	67780	
19	1.5	7	35.00	35.00	12.20	11.88	27.40		
27	1.5	6.5	35.00	35.00	12.20	13.57	32.60		
37	1.5	6	35.00	35.00	12.20	26.72	36.90		
5	2.5	17	18.00	18.00	7.56	6.79	18.70		
7	2.5	14	18.00	18.00	7.56	8.48	20.10	67744	
12	2.5	12	18.00	18.00	7.56	11.88	25.80	67768	
19	2.5	10	18.00	18.00	7.56	13.57	29.60	67207	YDB03

**Flame retardancy:** IEC60332-3-22

**Corrosivity:** IEC60754-1, IEC 60754-2

**Smoke density:** IEC61034-2

**Oil & mud resistancy:** NEK606

**Standards:**

BS7917: Elastomer insulated fire resistant cables for fixed wiring in ships and on mobile and fixed offshore units. Requirements and test methods

BS6883: Elastomer insulated cables for fixed wiring in ships and on mobile and fixed offshore units. Requirements and test methods