



Fire Resistant Single Core Cable BS6387 CWZ

Stranded annealed copper conductor, fire barrier tape (MGT), Low Smoke Zero Halogen insulation.

- Temperature ratings:** Single core cables have a continuous operating temperature of 0°C to +90°C
- Approvals and Specifications:** Manufactured to quality management systems independently certified as complying with the requirements of BSEN 9001
- Single core is ideally suited for use on fire alarms and emergency lighting circuits and satisfies the requirements of the code of practice in each case (BS5839 Part 1)
- BS EN 50266 (IEC60332-1): flame retardancy for a single cable length
- BS EN 61304: smoke density
- BS EN 5067-2-1:1999 (IEC60754-1): acid gas evolution
- IEC60331: maintenance of circuit integrity when subjected to 750°C flame
- BS6387:1994: Specification for performance requirements for cables required to maintain circuit integrity under fire conditions
- Meets the requirements of BS6387 CWZ and IEC60331
- Cables are designed to emit minimum quantities of smoke and toxic fumes under fire conditions
- Resistant to the propagation of fire
- Certified by LPCB
- Designed and manufactured under the ISO9001 quality management system
- Easy strip insulation
- Low smoke zero halogen construction
- Elastomeric insulation gives high mechanical strength, excellent flexibility and resistance to abrasion
- Stranded copper conductors increased flexibility

Size mm ²	Insulation thickness mm	Overall diameter mm	Weight kg/km	BATT part no Brown sheath	BATT part no Grey sheath	BATT part no Red sheath	BATT part no Black sheath	BATT part no Blue sheath	BATT part no Green/Yellow sheath
1.5	0.7	3.9	32	44203	44205	44191	44192	44204	44193
2.5	0.8	4.6	43	44206	44208	44194	44195	44207	44196
4	0.8	5.1	55	44303	44330	44250	44251	44304	44255
6	0.8	5.6	85	44328	44329	44258	44276	44327	44277
10	1.0	7.1	146	44322	44333	44278	44279	44331	44280
16	1.0	8.1	198	-	-	-	-	-	44334
25	1.2	9.8	320	-	-	-	-	-	44335
35	1.2	10.9	410	-	-	-	-	-	44344
50	1.4	13.4	549	-	-	-	-	-	44345
70	1.4	15.2	770	-	-	-	-	-	44360
95	1.6	17.6	1140	-	-	-	-	-	44361
120	1.6	19.3	1425	-	-	-	-	-	44362
150	1.8	21.3	1720	-	-	-	-	-	44363
185	2.0	23.7	2155	-	-	-	-	-	44364
240	2.2	26.8	2900	-	-	-	-	-	44365
300	2.4	29.7	3540	-	-	-	-	-	44366
400	2.6	33.3	4410	-	-	-	-	-	44367

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Size mm ²	Max conductor resistance at 20°C ohms/km	Short circuit rating (1 sec) amps	Current rating DC or single phase AC amps	Current rating three phase AC amps	Volt drop DC mV/A/m	Volt drop single phase AC mV/A/m	Volt drop three phase AC mV/A/m
1.5	12.1	215	23	20	31	31	27
2.5	7.41	360	31	28	19	19	16
4	4.61	570	42	37	12	12	10
6	3.08	860	54	48	7.9	7.9	6.8
10	1.83	1425	75	66	4.7	4.7	4
16	1.15	2275	100	88	2.9	2.9	2.5
25	0.727	3375	133	117	1.85	1.9	1.65
35	0.524	5000	164	144	1.35	1.35	1.15
50	0.387	7150	198	175	0.99	1.05	0.9
70	0.268	10000	253	222	0.68	0.75	0.65
95	0.193	13575	306	269	0.49	0.58	0.5
120	0.153	17150	354	312	0.39	0.48	0.42
150	0.124	21450	393	342	0.32	0.43	0.37
185	0.0991	26450	449	384	0.25	0.37	0.32
240	0.0754	34325	528	450	0.19	0.33	0.29
300	0.0601	42925	603	514	0.155	0.31	0.27
400	0.0470	57225	683	584	0.120	0.29	0.25
500	0.0366	71525	783	666	0.093	0.28	0.24
630	0.0283	90125	900	764	0.072	0.27	0.23

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