

## FIREPROOF CABLES - MINERAL INSULATED



### APPLICATION

Mineral insulated cables are used to provide circuit integrity in areas such as alarm circuits, emergency lighting and sprinkler systems. MICC cables have copper conductors, a solid copper sheath and are usually insulated using magnesium oxide. The features of the cable make them more resistant to fires than plastic insulated cables due to the lack of organic material. It is for this reason that the MICC cables are suitable for using in public areas, high fire risk areas such as power stations and oil refineries.

### CABLE STANDARDS

BS6207  
 IEC331  
 BS 6387 CWZ

### CONSTRUCTION

**Conductor:** Solid Plain Annealed Copper Conductors

**Insulation:** Magnesium Oxide

**Sheath:** Solid Copper Sheath

**Outer Sheath:**

Polyvinyl Chloride (PVC) or  
 Low Smoke Zero Halogen (LSZH)  
 Also available as bare copper

**Outer Sheath Colours**

Orange
  Red
  White
  Black

### CHARACTERISTICS

**Voltage Rating:**

**Light Duty:** 500 Volts grade.

**Heavy Duty:** 1000 Volts grade.

**Temperature Rating:**

PVC sheath -20°C TO +70°C

LSZH sheath -20°C TO +80°C

**Minimum Bending Radius**

As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C

## FIREPROOF CABLES - MINERAL INSULATED- DIMENSIONS

CCC CODE	WEIGHT (KG/KM)		OVERALL DIAMETER (MM)		GLAND FOR USE WITH RPS SEALS	SINGLE HOLE CLIP REFERENCE		NOMINAL STANDARD DRUM LENGTHS
	BARE	SHEATHED	BARE	SHEATHED		BARE	SHEATHED	
2L1.0	104	125	5.1	6.6	20	20	26	500
2L1.5	136	159	5.7	7.2	20	22	28	500
2L2.5	187	213	6.6	8.1	20	26	32	500
2L4.0	248	282	7.7	9.4	20	30	37	500
3L1.0	136	159	5.8	7.3	20	22	28	500
3L1.5	176	201	6.4	7.9	20	24	30	500
3L2.5	223	256	7.3	9	20	28	34	500
4L1.0	162	187	6.3	7.8	20	24	30	500
4L1.5	203	230	7	8.5	20	28	34	500
4L2.5	277	31	8.1	9.8	20	32	37	500
7L1.5	295	332	8.4	10.1	25	32	40	380
7L2.5	411	454	9.7	11.4	25	37	43	285
1H6.0	173	213	6.4	7.7	20	34	34	650
1H10	240	273	7.3	9	20	28	34	510
1H16	326	361	8.3	10	20	32	37	400
1H25	457	499	9.6	11.3	20	37	43	275
1H35	585	632	10.7	12.4	20	40	47	222
1H50	758	810	12.1	13.8	25	47	54	170
1H70	1016	1075	13.7	15.4	25	54	59	190
1H95	1324	1413	15.4	17.7	25	59	67	155
1H120	1612	1709	16.8	19.1	32	63	75	135
1H150	194	2055	18.4	20.7	32	71	79	110
1H240	3050	3213	23.3	26.1	40	88	101	67
2H1.5	237	272	7.9	9.6	20	30	37	500
2H2.5	276	314	8.7	10.4	20	34	40	500
2H4.0	355	397	9.8	11.5	20	37	43	500
2H6.0	446	493	10.9	12.60	20	43	47	500
2H10	619	673	12.7	14.4	25	47	54	500
2H16	850	912	14.7	16.4	25	54	63	112
2H25	1178	1277	17.1	19.4	32	67	75	500
3H2.5	323	364	9.3	11	20	37	43	500
3H4.0	415	460	10.4	12.1	20	40	47	500
3H6.0	526	575	11.5	13.2	25	43	51	184
3H10	754	812	13.6	15.3	25	54	59	130
3H16	103	1124	15.6	17.9	25	59	71	100
3H25	1444	1549	18.2	20.5	40	71	79	70
4H1.5	305	345	9.1	10.8	20	37	43	500
4H2.5	384	428	10.1	11.8	20	40	47	500
4H4.0	507	556	11.4	13.1	25	43	51	195
4H6.0	644	698	12.7	14.4	25	47	54	144
4H10	911	974	14.8	16.5	25	54	63	110
4H16	1286	1386	17.3	19.6	32	67	75	89
4H25	1805	1947	20.1	22.9	40	79	88	60
7H1.5	432	479	10.8	12.5	25	43	47	245
7H2.5	559	611	12.1	13.8	25	47	54	195
12H2.5	911	1001	15.6	17.9	32	59	71	148
19H1.5	992	1088	16.6	18.9	40	63	71	112

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