

BHA/BAHA

Single Core (Cu or Al/LSZH)

APPLICATION

These cables are designed for fixed installation in dry premises for situations in which low emission of smoke and acid gases have to be guaranteed in the case of fire. This cable are highly recommended in following areas- shopping centres, theatres, underground railways, high rise building, tunnels, hospitals, data centres, power stations, switching centre etc.

STANDARD

BS 7211

IEC 60754 & IEC 61034

VOLTAGE GRADE

U₀/U (Um) : 450/750 (825) V

COLOR

Insulation



(Red, Yellow, Blue, Black, Green)

CONSTRUCTION

Conductor: Solid / Stranded Circular/ Compacted, Plain annealed Copper or Aluminium, Class 1 or Class-2 to IEC 60228

Insulation: Low Smoke Zero Halogen (LSZH) to BS 7655



FIRE SURVIVAL

PHYSICAL DATA						ELECTRICAL DATA						
Nominal cross sectional area of conductor	No. of strands & diameter of wire Cu/Al	Nominal thickness of insulation	Overall Diameter		Approx. weight of cable		Max. DC resistance of conductor at 20 °C		Current carrying capacity in conduit at 35 °C		Current Carrying Capacity in Air at 35 °C	
			Lower limit	Higher Limit	Cu	Al	Cu	Al	Cu	Al	Cu	Al
			mm	mm								
Core x mm ²	no./mm	mm	mm	mm	kg/km	kg/km	W/Km	W/Km	W/Km	W/Km	W/Km	W/Km
1 x 1.0 re	1/1.13	0.7	2.5	3.0	16	-	18.1	-	14	8	17	10
1 x 1.5 re	1/1.38	0.7	2.6	3.2	22	12	12.1	-	17	12	21	14
1 x 1.5 rm	7/0.52	0.7	2.7	3.4	23	13	12.1	18.1	17	12	21	14
1 x 2.5 re	1/1.78	0.8	3.2	4.0	32	17	7.41	-	23	16	29	19
1 x 2.5 rm	7/0.67	0.8	3.3	4.1	33	19	7.41	12.1	23	16	29	19
1 x 4.0 rm	7/0.85	0.8	3.8	4.7	51	25	4.61	7.41	31	21	39	25
1 x 6.0 rm	7/1.04	0.8	4.3	5.4	71	34	3.08	5.99	40	26	49	32
1 x 10 rm	7/1.35	1.0	5.6	7.0	117	53	1.83	3.08	54	36	67	43
1 x 16 rm	7/1.70	1.0	6.4	8.0	179	77	1.15	1.91	73	47	89	57
1 x 25 rm	7/2.14	1.2	8.1	10.1	276	116	0.727	1.20	96	63	116	76
1 x 35 rmc	min. 6	1.2	9.0	11.3	373	153	0.524	0.868	118	76	143	92
1 x 50 rmc	min. 6	1.4	10.6	13.2	352	216	0.387	0.641	143	92	172	110
1 x 70 rmc	min. 12	1.4	12.1	15.1	732	285	0.268	0.443	182	118	217	144
1 x 95 rmc	min. 15	1.6	14.1	17.6	985	382	0.193	0.32	227	147	266	173
1 x 120 rmc	min. 18/15	16.0	15.6	19.4	1227	470	0.153	0.253	256	166	306	198
1 x 150 rmc	min. 18/15	1.8	17.3	21.6	1535	572	0.124	0.206	-	-	350	228
1 x 185 rmc	min. 30	2.0	19.3	24.1	1891	705	0.0991	0.164	-	-	400	260
1 x 240 rmc	min. 34/30	2.2	22.0	27.5	2458	910	0.0754	0.125	-	-	475	310
1 x 300 rmc	min. 34/30	2.4	24.5	30.6	3055	1125	0.0601	0.100	-	-	550	360
1 x 400 rmc	min. 53	2.6	27.5	34.3	4078	1505	0.0470	0.0778	-	-	668	440
1 x 500 rmc	min. 53	2.8	30.5	38.2	5048	1865	0.0366	0.0605	-	-	792	515
1 x 630 rmc	min. 53	2.8	34.0	42.5	6063	2310	0.0283	0.0469	-	-	900	585

Current ratings are valid for cables laid under defined conditions at page no.163. For current ratings at deviated conditions, apply correction factor as given on page no.

Characteristics



Installation condition

