

# 2xH / A2xH

## Single Core (Cu or Al/XLPE/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

IEC 60502-1  
IEC 60754 & IEC 61034

### VOLTAGE GRADE

U<sub>0</sub>/U (Um) : 0.6/1.0 (1.2) kV

### COLOR

Insulated core :  (Natural)  
Sheath :  (Black or Other Colors available on request)

### CONSTRUCTION

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

**Insulation:** Cross-linked Polyethylene, (XLPE) to IEC 60502-1

**Sheath:** Low Smoke Zero Halogen (LSZH), ST 8 to IEC 60502-1



PHYSICAL DATA							ELECTRICAL DATA					
Nominal cross sectional area of conductor	No. of strands & diameter of wire Cu/Al	Nominal thickness of insulation	Nominal thickness of sheath	Approx. Overall diameter	Approx. weight of cable		Max. DC resistance of conductor at 20 °C		Current Carrying Capacity in Ground at 30 °C		Current Carrying Capacity in Air at 35 °C	
					Cu	Al	Cu	Al	Cu	Al	Cu	Al
Core x mm <sup>2</sup>	no./mm	mm	mm	mm	kg/km	kg/km	W/Km	W/Km	amp	amp	amp	amp
1 x 1.5 re	1/1.38	0.7	1.4	6.1	50	-	12.1	18.1	36	-	30	-
1 x 1.5 rm	7/0.52	0.7	1.4	6.2	52	-	12.1	18.1	36	-	30	-
1 x 2.5 re	1/1.78	0.7	1.4	6.5	63	-	7.41	12.1	47	-	39	-
1 x 2.5 rm	7/0.68	0.7	1.4	6.6	65	-	7.41	12.1	47	-	39	-
1 x 4.0 rm	7/0.85	0.7	1.4	7.3	95	55	4.61	7.41	59	47	50	39
1 x 6.0 rm	7/1.04	0.7	1.4	7.9	107	66	3.08	4.61	78	64	69	56
1 x 10 rm	7/1.35	0.7	1.4	8.8	155	85	1.83	3.08	100	77	94	72
1 x 16 rm	7/1.70	0.7	1.4	9.9	227	112	1.15	1.91	130	101	125	97
1 x 25 rm	7/2.14	0.9	1.4	11.0	324	160	0.727	1.20	155	120	160	125
1 x 35 rmc	min. 6	0.9	1.4	12.1	425	200	0.524	0.868	185	144	195	150
1 x 50 rmc	min. 6	1.0	1.4	13.6	584	258	0.387	0.641	225	175	245	190
1 x 70 rmc	min. 12	1.1	1.4	15.4	788	335	0.268	0.443	270	210	300	233
1 x 95 rmc	min. 15	1.1	1.5	17.1	1041	430	0.193	0.320	310	240	350	272
1 x 120 rmc	min. 18/15	1.2	1.5	18.8	1292	531	0.153	0.253	350	272	405	315
1 x 150 rmc	min. 18/15	1.4	1.6	21.0	1611	640	0.124	0.206	390	302	460	357
1 x 185 rmc	min. 30	1.6	1.6	23.0	1976	775	0.0991	0.164	450	350	555	430
1 x 240 rmc	min. 34/30	1.7	1.7	25.6	2528	985	0.0754	0.125	515	400	640	498
1 x 300 rmc	min. 34/30	1.8	1.8	28.3	3136	1210	0.0601	0.100	585	463	770	537
1 x 400 rmc	min. 53	2.0	1.9	32.0	4130	1525	0.0470	0.0778	680	509	900	626
1 x 500 rmc	min. 53	2.2	2.0	35.4	5134	1890	0.0366	0.0605	800	592	1030	731
1 x 630 rmc	min. 53	2.4	2.2	39.5	6415	2420	0.0283	0.0469	945	696	1160	837
1 x 800 rmc	min. 53	2.6	2.3	45.0	8116	3000	0.0221	0.0367	1095	821	1310	942
1 x 1000 rmc	min. 53	2.8	2.4	50.0	10096	3650	0.0176	0.0291	1270	952	1480	1064

Current ratings are valid for cables laid under defined conditions at page no. 165. For current ratings at deviated conditions, apply correction factor as given on page no. 165-17

### Characteristics



### Installation condition

