Master Tec®
Wire & Cable

SCAN ME

LOW VOLTAGE
FIRE RESISTANT CABLE

COMPANY INTRODUCTION

MASTER TEC WIRE & CABLE

founded in 2005, with a decade wire and cable manufacturing experience. Our current factory located at Rembia Industrial Park, Alor gajah Melaka. Our Sale Corporate Office at Oasis Square Ara Damansara, Selangor. Currently we have 3 manufacturing plants in Melaka. Our principally involved in the manufacturing and distribution of power cables, control cables, instrumentation cables, trading of power cables, fibre optic cables, and other related products. We have about 17 years of operating history in the wires and cables industry in Malaysia since commencing business operations in 2006. We have established a reputable *MASTER TEC* brand and track record for our LV power cables and control and instrumentation cables. Through our brand, customers recognise our products and they are given the assurance and confidence of our products' quality, performance, safety and durability.

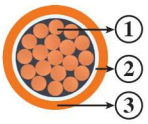
CU / MGT / LS0H - 600 / 1000 VOLT (NHA-FE)	IEC 60502-1

1 CORE : COPPER CONDUCTOR, MICA TAPE FIRE BARRIER, LS0H INSULATED CABLE

Application	This cable is used in fire extinguishing systems, sprinklers control panels, and exit lights in high-rise buildings, hotel, hospital sub-ways, and public facilities.	Construction	1. Copper Conductor 2. Mica Tape 3. LS0H Insulated
Voltage Rating	450/750 Volt or 600/1000 Volt		
Conductor Operating Temperature	70°C		
Reference Strandard	IEC 60502-1		
Cable Standard	IEC 60502-1, IEC 60331, IEC 60332-3A	Insulation Colour	Orange or as per request
Optional	BS 6387 (C,W,Z) IEC 60332-3A, IEC 60332-3B		

DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	Min. no of wire and conductor shape		Nominal Thickness	Approximately		Bending radius min	Standard Delivery Length
			Insulation	Overall diameter	Net Weight		
mm²	no	shape	mm	mm	Kg/Km	mm	m
1.5	7	circular	0.7	4.0	30.901	40	1000
2.5	7	circular	0.7	4.4	41.475	44	1000
4	7	circular	0.7	4.9	57.730	49	1000
6	7	circular	0.7	5.5	78.421	55	1000
10	7	compacted	0.7	6.3	119.904	63	1000
16	7	compacted	0.7	7.3	176.599	73	1000
25	7	compacted	0.9	8.8	270.190	88	1000
35	7	compacted	0.9	9.9	363.407	99	1000
50	7	compacted	1.0	11.4	485.164	114	1000
70	12	compacted	1.1	13.1	677.499	131	1000
95	15	compacted	1.1	15.1	921.923	151	1000
120	18	compacted	1.2	16.5	1160.366	165	1000
150	18	compacted	1.4	18.4	1431.460	184	1000
185	30	compacted	1.6	20.7	1786.717	207	1000
240	34	compacted	1.7	23.0	2317.912	230	1000
300	34	compacted	1.8	25.4	2877.637	254	1000
400	53	compacted	2.0	28.3	3659.063	283	1000
500	53	compacted	2.2	31.9	4655.945	319	1000
630	53	compacted	2.4	35.9	5997.590	359	1000



ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Voltage Drop	
	DC conductor max	Insulation min (Calculated)	Clipped Direct (Trefoil)	Trunking (on a Wall)	Single-phase	Three-phase
mm²	Ω/Km	MΩ.Km	A		mV/A/m	
1.5	12.1	739.586	18	16	29.00	25.00
2.5	7.41	645.350	25	21	18.00	15.00
4	4.61	547.715	33	28	11.00	9.50
6	3.08	501.605	43	36	7.30	6.40
10	1.83	430.107	59	50	4.40	3.80
16	1.15	352.933	79	68	2.80	2.40
25	0.727	364.742	104	89	1.80	1.50
35	0.524	333.675	129	110	1.30	1.10
50	0.387	319.375	167	134	1.00	0.82
70	0.268	297.423	214	171	0.72	0.57
95	0.193	253.454	261	207	0.56	0.43
120	0.153	259.601	303	239	0.41	0.36
150	0.124	271.309	349	262	0.37	0.30
185	0.0991	270.396	400	296	0.33	0.26
240	0.0754	260.664	472	346	0.31	0.22
300	0.0601	249.464	545	394	0.22	0.19
400	0.0470	244.850	634	467	0.29	0.18
500	0.0366	241.204	723	533	0.28	0.16
630	0.0283	232.871	826	611	0.27	0.15

Note: For condition of current carrying capacity please refer to Table 1 Page 62