

M E S C
MIDDLE EAST SPECIALIZED CABLE COMPANY
PVC INSULATED NON SHEATHED SINGLE CORE CABLE



HO7V-K

NYAF

IEC-60227

Application: These cables are used for the purpose of lighting in residential and commercial building in surface mounted or embedded conduits. Suitable for voltages up to 1000 AC or up to 750 to earth DC when used for fixed installation inside appliances, switchgear and control gear.

Specification : BS-6500, BS-6004, VDE-0250 & IEC-227-3

Construction:

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|----------------------------|--|
| 1. Conductor | Plain annealed flexible copper stranded as per class 5 of IEC-228. |
| 2. Insulation | PVC type TI 1 of BS-6746 |
| 3. Printing Legend Example | MESC FLEXIBLE CU/PVC 95 450/750 V 70C |

Technical Data:-

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|-------------------------|---|--|
| 1. Temperature range | : | - 25 C°to + 70C° |
| 2. Working voltage | : | 300/500 V. up to 1.0 mm ² , 450/750 V. for 1.5 mm ² and above. |
| 3. Conductor resistance | : | As per class 5 of IEC-228. |
| 4. Flame retardance | : | IEC-60332-1 |

Current Carrying Capacity at 30°c in Free Air.

Area (mm ²)	One Phase (A)	Three Phase (A)	Area (mm ²)	One Phase (A)	Three Phase (A)
1.0	17	16	35	145	130
1.5	21	20	50	175	160
2.5	30	26	70	220	200
4	40	36	95	270	240
6	50	45	120	310	280
10	68	61	150	355	320
16	90	81	185	405	365
25	118	106			

Ambient temperature	35	40	45	50	55	60	65
Correction factor	0.94	0.87	0.79	0.71	0.61	0.50	0.35

Packing: Up to sizes 35mm² shrunk wrapped coils of 100 Yards. For 50mm² and above 500/1000 Meter on wooden drum.

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MESC CODE	SIZE (Sq. mm)	STRANDXDIA NO. X MM	INSULATION THICKNESS (mm)	APPROX. O. D. (mm)	APPROX WEIGHT Kg / Km
5181-01C00050-U0BK8-00	0.5	16 X 0.2	0.6	2.2	9
5181-01C00075-U0BK8-00	0.75	24 X 0.2	0.6	2.4	12
5181-01C00100-U0BK8-00	1.0	32 X 0.2	0.6	2.6	15
5181-01C00150-U0BK8-00	1.5	30 X 0.25	0.7	3.0	21
5181-01C00250-U0BK8-00	2.5	50 X 0.25	0.8	3.6	33
5181-01C00400-U0BK8-00	4	56 X 0.3	0.8	4.1	49
5181-01C00600-U0BK8-00	6	84 X 0.3	0.8	4.6	69
5181-01C01000-U0BK8-00	10	80 X 0.4	1.0	6.1	116
5181-01C01600-U0BK8-00	16	126 X 0.4	1.0	7.8	173
5181-01C02500-U0BK8-00	25	196 X 0.4	1.2	9.7	266
5181-01C03500-U0BK8-00	35	276 X 0.4	1.2	10.9	364
5181-01C05000-U0BK8-00	50	396 X 0.4	1.4	13.1	520
5181-01C07000-U0BK8-00	70	360 X 0.5	1.4	15.2	756
5181-01C09500-U0BK8-00	95	475 X 0.5	1.6	17.3	996
5181-01C12000-U0BK8-00	120	608 X 0.5	1.6	19.2	1257
5181-01C15000-U0BK8-00	150	760 X 0.5	1.8	21.5	1572
5181-01C18500-U0BK8-00	185	950 X 0.5	2.0	24.0	1964
5181-01C24000-U0BK8-00	240	1274 X 0.5	2.2	27.5	2490

For other colour than Black, please replace BK in the code by 'BL' for Blue, 'BN' for brown, 'GN' for Green, 'GY' for Grey, 'OR' for Orange, 'PK' for Pink, 'RD' for Red, 'TR' for Turquoise, 'VT' for Violet, 'WT' for White, 'YG' for Green/Yellow and 'YL' for Yellow.