

M E S C

Specialized Cables

SINGLE CORE, NON SHEATHED PVC CABLE
BS-6004, IEC-60227-3



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.

Construction:

1. Conductor	Plain annealed copper solid as per class 1 of IEC60228 or stranded as per class 2 of IEC60228. HO5V-U and HO7V-U correspond to solid conductor. HO7V-R corresponds to stranded conductor.
2. Insulation	PVC type TI 1 as per BS-7655 *.
3. Printing text example	MESC CU/PVC 16 450/750 V 70C

Technical Data:

1. Temperature range	- 25°C to + 70°C
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 1 or 2 of IEC60228
4. Flame retardance	IEC60332-1

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

MESC CODE Black jacket.	Size mm ²	Strand X dia. No. X mm	Insulation Thickness mm	Approx. O. D. mm	Approx. Weight kg/km
7161-01C00050-U0BK8-00	0.5	1 X 0.8	0.6	2.1	9
7161-01C00075-U0BK8-00	0.75	1 X 0.98	0.6	2.2	11
7161-01C00100-U0BK8-00	1	1 X 1.13	0.6	2.4	14
7161-01C00150-U0BK8-00	1.5	1 X 1.38	0.7	2.9	21
7111-01C00150-U0BK8-00	1.5	7 X 0.53	0.7	3.1	22
7161-01C00250-U0BK8-00	2.5	1 X 1.78	0.8	3.5	33
7111-01C00250-U0BK8-00	2.5	7 X 0.67	0.8	3.7	34
7161-01C00400-U0BK8-00	4	1 X 2.25	0.8	3.9	48
7111-01C00400-U0BK8-00	4	7 X 0.85	0.8	4.2	51
7161-01C00600-U0BK8-00	6	1 X 2.76	0.8	4.4	67
7111-01C00600-U0BK8-00	6	7 X 1.04	0.8	4.8	71
7111-01C01000-U0BK8-00	10	7 X 1.35	1.0	6.2	119
7111-01C01600-U0BK8-00	16	7 X 1.7	1.0	7.2	179
7111-01C02500-U0BK8-00	25	7 X 2.14	1.2	8.9	281
7111-01C03500-U0BK8-00	35	7 X 2.52	1.2	10.1	379
7111-01C05000-U0BK8-00	50	19 X 1.78	1.4	11.8	509
7111-01C07000-U0BK8-00	70	19 X 2.14	1.4	13.6	717
7111-01C09500-U0BK8-00	95	19 X 2.52	1.6	16.0	990
7111-01C12000-U0BK8-00	120	37 X 2.03	1.6	17.6	1227
7111-01C15000-U0BK8-00	150	37 X 2.25	1.8	19.5	1510
7111-01C18500-U0BK8-00	185	37 X 2.52	2.0	21.7	1859
7111-01C24000-U0BK8-00	240	37 X 2.87	2.2	24.6	2380

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.