

M E S C

Middle East 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.
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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.

SL/NO.	*MESC CODE (for Green/Yellow Jacket)	Size (mm ²)	No. of Strands (N)	Insulation Thickness (mm)	Approx. O. D. (mm)	Approx. Weight (kg/km)
	7111-01C00050-U0YG1-00	0.5	7	0.6	2.2	9.2
	7161-01C00050-U0YG1-00	0.5	1	0.6	2.1	9
	7111-01C00075-U0YG1-00	0.75	7	0.6	2.4	12
	7161-01C00075-U0YG1-00	0.75	1	0.6	2.2	11
	7111-01C00100-U0YG1-00	1	7	0.7	2.7	17
	7161-01C00100-U0YG1-00	1	1	0.7	2.4	14
	7161-01C00150-U0YG1-00	1.5	1	0.7	2.9	21
	7111-01C00150-U0YG1-00	1.5	7	0.7	3.1	22
	7161-01C00250-U0YG1-00	2.5	1	0.8	3.5	33
	7111-01C00250-U0YG1-00	2.5	7	0.8	3.7	34
	7161-01C00400-U0YG1-00	4	1	0.8	3.9	48
	7111-01C00400-U0YG1-00	4	7	0.8	4.2	51
	7161-01C00600-U0YG1-00	6	1	0.8	4.4	67
	7111-01C00600-U0YG1-00	6	7	0.8	4.8	71
	7111-01C01000-U0YG1-00	10	7	1.0	6.2	119
	7111-01C01600-U0YG1-00	16	7	1.0	7.2	179
	7111-01C02500-U0YG1-00	25	7	1.2	8.9	281
	7111-01C03500-U0YG1-00	35	7	1.2	10.1	379
	7111-01C05000-U0YG1-00	50	19	1.4	11.8	509
	7111-01C07000-U0YG8-00	70	19	1.4	13.6	717
	7111-01C09500-U0YG8-00	95	19	1.6	16.0	990
	7111-01C12000-U0YG8-00	120	37	1.6	17.6	1227
	7111-01C15000-U0YG8-00	150	37	1.8	19.5	1510
	7111-01C18500-U0YG8-00	185	37	2.0	21.7	1859
	7111-01C24000-U0YG8-00	240	37	2.2	24.6	2380
	7111-01C30000-U0YG8-00	300	61	2.4	27.0	2975
	7111-01C40000-U0YG8-00	400	61	2.6	30.2	3761

**For other colour than Green/Yellow, please replace YG 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, 'BK' for Black and 'YL' for Yellow.*