

M E S C

Middle East Specialized Cables

THHN / THWN

105°C 600 Volts



Date: 13/2/2017

APPLICATION: Widely used in new constructions. Suitable for lighting and power purposes in Industrial, Commercial and Residential Buildings. Also suitable for Control Circuits, machine Tools and Appliances. Nylon jacket provides mechanical ruggedness and is resistant to Acids, Alkalies, Oils, Gasoline and Chemicals

CONSTRUCTION:

1. Conductor	Plain copper to ASTM B3 stranded to 19 wire combination unilay.
2. Insulation	Polyvinyl Chloride 105°C.
3. Jacket	Nylon
4. Printing text (example)	MESC THHN/THWN 105C 12AWG 600 VOLTS VW-I GASOLINE & OIL RESISTANT I

NO.	MESC CODE	SIZE AWG	LARGE STRAND No x mm	SMALL STRAND No x mm	INSULATION THICKNESS mm	JACKET THICKNESS mm	APPROX. O. D. mm	APPROX. WEIGHT. Kg/Km	AMPACITY *	
									THHN	THWN
	61U6-01C14AWG-U0BK5-00	14	13 X 0.404	6 X 0.296	0.38	0.11	2.9	25	25	20
	61U6-01C12AWG-U0BK5-00	12	13 X 0.510	6 X 0.373	0.38	0.11	3.4	37	30	25
	61U6-01C10AWG-U0BK5-00	10	13 X 0.643	6 X 0.471	0.51	0.11	4.2	59	40	35
	61U6-01C08AWG-U0BK5-00	8	13 X 0.810	6 X 0.593	0.76	0.13	5.5	96	55	50
	61U6-01C06AWG-U0BK5-00	6	13 X 1.02	6 X 0.75	0.76	0.13	6.5	148	75	65
	61U6-01C04AWG-U0BK5-00	4	13 X 1.28	6 X 0.94	1.02	0.15	8.2	237	95	85
	61U6-01C02AWG-U0BK7-00	2	13 X 1.62	6 X 1.19	1.02	0.15	9.7	363	130	115
	61U6-01C01AWG-U0BK7-00	1	13 X 1.82	6 X 1.33	1.27	0.18	11.2	465	150	130
	61U6-01C1/0AW-U0BK7-00	1/0	13 X 2.04	6 X 1.50	1.27	0.18	12.2	576	170	150
	61U6-01C2/0AW-U0BK7-00	2/0	13 X 2.30	6 X 1.68	1.27	0.18	13.3	715	195	175
	61U6-01C3/0AW-U0BK7-00	3/0	13 X 2.59	6 X 1.90	1.27	0.18	14.5	875	210	195
	61U6-01C4/0AW-U0BK7-00	4/0	13 X 2.90	6 X 2.12	1.27	0.18	16.0	1090	225	210

- Not more than three current carrying conductors in raceway or earth (directly buried) based on ambient temperature of 30°C as per NEC 310-16.
Unless otherwise specifically permitted in the NEC, the over current protection shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG and 30 amperes for 10 AWG after correction factors for ambient temperature and number of conductors have been applied.
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 Yellow/green and 'YL' for Yellow.

Packing: Sizes up to 4 AWG plastic Reels of 500 ft. Sizes 2 AWG and above on Wooden Reels of 1000 Ft.

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