

90°C Dry
75°C Wet, VW-1

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, Alkalis, Oils, Gasoline and Chemicals.

Specification : UL - 83

CONSTRUCTION:

1. Conductor	Up to 2 AWG Class C stranding and above 2 AWG class B stranding in accordance with ASTM B8.
2. Insulation	Polyvinyl Chloride meets the entire performance requirement as per UL-83.
3. Jacket	Nylon meets all the requirements of UL - 83
4. Printing text (Example)	MESC THHN/THWN # 4AWG GASOLINE & OIL RESISTANT I 600 V UL 83 (UL) E173234

DIMENSIONAL DETAILS:

NO	**MESC CODE For Black color	SIZE AWG	STRAND X DIAMETER No. x mm	INSULATION THICKNESS mm	JACKET THICKNESS mm	APPROX. O. D. mm	APPROX. WEIGHT Kg/Km	AMPACITY*	
								90°C THHN	75°C THWN
	61A6-01C14AWG-U0BK5-00	14	19 X 0.37	0.38	0.10	3.0	25	25	20
	61A6-01C12AWG-U0BK5-00	12	19 X 0.47	0.38	0.10	3.4	37	30	25
	61A6-01C10AWG-U0BK5-00	10	19 X 0.59	0.51	0.10	4.3	59	40	35
	61A6-01C08AWG-U0BK5-00	8	19 X 0.75	0.76	0.13	5.7	96	55	50
	61A6-01C06AWG-U0BK5-00	6	19 X 0.95	0.76	0.13	6.6	146	75	65
	61A6-01C04AWG-U0BK5-00	4	19 X 1.19	1.02	0.15	8.4	234	95	85
	61A6-01C03AWG-U0YG8-00	3	19 X 1.34	1.02	0.15	9.14	284	115	100
	61A6-01C02AWG-U0BK5-00	2	19 X 1.50	1.02	0.15	10.0	358	130	115
	6116-01C01AWG-U0BK8-00	1	19 X 1.69	1.27	0.18	11.5	458	150	130
	6116-01C1/0AW-U0BK8-00	1/0	19 X 1.89	1.27	0.18	12.5	566	170	150
	6116-01C2/0AW-U0BK8-00	2/0	19 X 2.13	1.27	0.18	13.7	704	195	175
	6116-01C3/0AW-U0BK8-00	3/0	19 X 2.39	1.27	0.18	15.0	773	210	195
	6116-01C4/0AW-U0BK8-00	4/0	19 X 2.68	1.27	0.18	16.4	972	225	210

* Not more than three current carrying conductors in raceway or cable 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 Green/ Yellow and 'YL' for Yellow.

Packing: Sizes up to 4 AWG plastic Reels of 500 ft. Sizes 3 AWG and above on Wooden Reels of 1000 Ft.

NOTE: OUTER DIAMETER TOLERANCE SHALL BE ± 1.5 MM