

— TW CABLE 600V



APPLICATION

Used as in low voltage wiring, voltage up to 600 Volts. Suitable for the use of service where conductor temperature does not exceed 60°C in dry or wet location

CABLE DESIGN

Conductor: Soft stranded copper conductor. Insulation: Polyvinyl Chloride (PVC). PVC is flame retardant and moisture resistant.

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LEAD FREE THERMOPLASTIC MOISTURE RESISTANT WIRE (TW), 600 VOLTS, 60°C								
SIZE OF CONDUCTOR		No. & Nominal Diameter of Wire	Wall Thickness		Approximate Overall Diameter	Minimum Insulation Resistance	*Ampacity	Cable Nominal Weight
MM	Approximate AWG	MM	MM		MM	M-Ohm-Km		KG/KM
Solid								
1.6 mm	14		0.8		3.20	50	25	26.63
2.0mm	12		0.8		3.60	50	30	38.13
2.6mm	10		0.8		4.20	50	40	59.59
3.2mm	8		1.2		5.60	50	55	95.54
	Stranded							
2.0 mm ²	14/7	7 x 0.60 mm	0.8		3.40	50	25	7.8
3.5 mm ²	12/7	7 x 0.80 mm	0.8		4.00	50	30	14.31
5.5 mm ²	10/7	7 x 1.00 mm	0.8		4.60	50	40	64.85
8.0 mm ²	8/7	7 x 1.20 mm	1.2		6.00	50	55	99.64
14 mm ²	6/7	7 x 1.60 mm	1.6		8.00	50	80	177.28
22 mm ²	4/7	7 x 2.00 mm	1.6		10.00	50	105	259.44
30 mm ²	2/7	7 x 2.30 mm	2.0		10.10	40	130	331.79
38 mm ²	1-19	19 x 1.00 mm	2.0		12.00	40	155	442.09
50 mm ²	1/0-19	19 x 1.60 mm	2.0		13.00	40	180	544.54
60 mm ²	2/-1	19 x 2.00 mm	2.0		14.00	30	205	657.72
80 mm ²	3/-19	19 x 2.50 mm	2.0		15.50	30	250	848.35
100 mm ²	4/-19	19 x 2.50 mm	2.0		17.00	30	290	1063.51
150 mm ²	250 MCM	37 x 2.10 mm	2.4		19.50	30	335	1362.18
	300 MCM	37 x 2.30 mm	2.4		20.90	20	375	1612.92
	350 MCM	37 x 2.47 mm	2.4		22.10	20	420	1849.23
200 mm ²	400 MCM	37 x 2.60 mm	2.4		23.00	20	440	2027.62
	500 MCM	37 x 2.95 mm	2.4		25.45	20	505	2585.99
250 mm ²		61 x 2.30 mm	2.4		25.50	20	505	2576.95
	600 MCM	61 x 2.52 mm	2.8		28.30	20	575	3114.59
325 mm ²	650 MCM	61 x 2.60 mm	2.8		29.00	20	600	3302.36
	750 MCM	61 x 2.82 mm	2.8		30.90	20	655	3844.86
400 mm ²	800 MCM	61 x 2.90 mm	2.8		31.70	20	675	4061.41
500 mm ²	1000 MCM	61 x 3.20 mm	2.8		34.40	20	770	4898.28

* Reference Standard: PEC, NEC (Based on Ambient Air Temperature of 30°C)