



POWER KABEL INC.

TW COPPER CONDUCTOR - 600v

APPLICATIONS & FEATURES

Type TW insulated wires are used for normal power applications up to 600 volts. They can be used for installation in conduit and ducts, at temperatures down to -10oC(+14oF). Type TW insulated wire are designed to operate at conductor temperatures of 60°C (140°F) in wet and dry locations. Their small diameters make them especially advantageous for rewiring as well as new installations. Type TW Building Wires are insulated with polyvinyl-chloride thermoplastic compounds that are especially designed to provide a tough flexible wire that provides excellent dielectric strength.

INDUSTRY COMPLIANCES

- Underwriters' Laboratories UL 83
- Federal Specification JC-30A
- NEMA WC 70/ICEAS-95-658

CONSTRUCTION

CONDUCTORS: Stranded Bare copper Per ASTM B3, B8 and B787
INSULATION: Polyvinyl-chloride thermoplastic compounds that are especially designed to provide a tough flexible wire that provides excellent dielectric strength.

AWG	NUMBER OF STRANDS	INSULATION THICKNESS (MILS)	APPROX. O. D. INCHES	AMPACITY**	COPPER WEIGHT/1000 FT
14	SOLID	30	0.13	15	18
12	SOLID	30	0.15	20	27
10	SOLID	30	0.17	30	40
8	SOLID	45	0.23	50	65
14	7	30	0.15	15	20
12	7	30	0.17	20	29
10	7	30	0.19	30	42
8	7	45	0.25	50	67
3	7	60	0.39	100	202
2	7	60	0.42	115	252
1	19	80	0.49	130	324
1/0	19	80	0.53	150	397
2/0	19	80	0.58	175	491
3/0	19	80	0.63	200	608
4/0	19	80	0.69	230	753
250 MCM	37	95	0.77	255	896
300 MCM	37	95	0.82	285	1060
350 MCM	37	95	0.87	310	1227
400 MCM	37	95	0.95	335	1391
500 MCM	37	95	1.01	380	1715
600 MCM	61	110	1.113	420	2062
750 MCM	61	110	1.218	475	2547

** Based on not more than 3 conductors in raceway or cable (30oC, 86oF Ambient per NEC). 60oC conductor temperature rating.

+The overcurrent protection for conductor types marked with (+) shall not exceed 15 AMPS for 14 AWG, and 20 AMPS for 12 AWG per the NEC-84 Table 310-16.

Stock colors and packaging information available upon request.