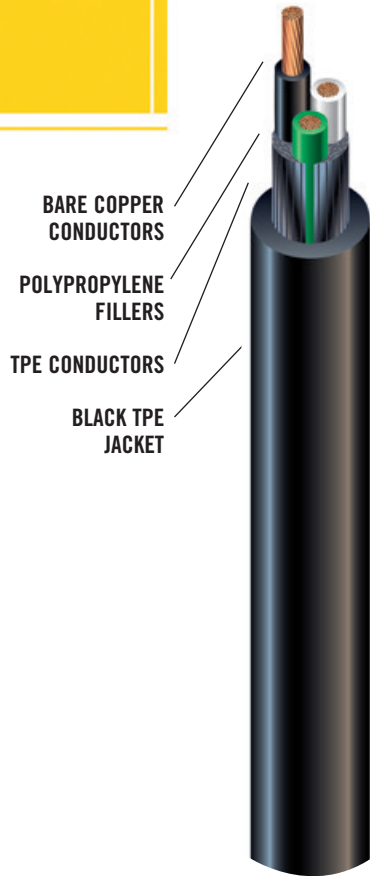


QUANTUM•TPE® TYPE SE00W 105°C 600 VOLT UL/CSA TPE PORTABLE CORD



Quantum TPE® 105°C
TPE Cord 600 Volt

Extra Flexible
Copper Conductors

Thermoplastic-Elastomer
(TPE) Insulation
and Jacket

Rated -50°C to +105°C

Rated as Extra Hard-
Usage Service Cord

Sizes 18 AWG through
10 AWG CSA Approved as
Type STOOW (TPE) and
Meet CSA FT-2

Sizes 8 through 2 AWG are
Non-UL and Non-CSA Listed

Approved for Outdoor Use

Provides Premium
Oil Resistance, Water
Resistance and Flexibility

APPLICATIONS Suitable for use as follows:

- Permitted for use as specified by Article 400 and related articles of the National Electrical Code®
- Typical applications include wiring for industrial machinery, washing machines and various other large appliances, heavy-duty tools, motors and temporary electrical power and lighting installations for construction sites
- Suitable for use in (i) dry locations not to exceed minimum -50°C or maximum +105°C; or (ii) wet locations or other applicable locations—may be completely immersed in water—when exposed to oil or coolant at temperatures not to exceed 60°C
- Ideal for flex applications in harsh environments where the highest degree of oil resistance and extended service life are essential

STANDARDS & REFERENCES

- Sizes 18 AWG - 10 AWG: UL Standard 62 for Flexible Cords and CSA Standard 22.2 No. 49 for Flexible Cords
- Sizes 8 AWG - 2 AWG are non-UL and non-CSA Listed, but meet industry-accepted standards for insulation and jacket thickness
- All sizes meet the Mine Safety and Health Administration (MSHA) Flame Resistance for Mining Applications
- All sizes are RoHS Compliant
- All sizes comply with Federal and Military Specification JC-580B
- NEC® Article 400
- OSHA
- RoHS Compliant

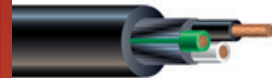
CONSTRUCTION

- **Conductors:**
18 AWG - 10 AWG fully annealed stranded Class K copper per ASTM B-174
8 AWG - 2 AWG fully annealed stranded copper
- **Insulation:**
Premium-grade, oil-resistant 105°C color-coded TPE
- **Jacket:**
Premium-grade, oil-resistant Quantum TPE®, black
Temperature range: -50°C to +105°C
- **Sample Jacket Marking:**
SOUTHWIRE QUANTUM TPE® E46194 12 AWG (3.30 mm²) 3/C SE00W (UL) 600V
-50°C TO +105°C CSA 224650 STOOW (TPE) -50°C TO +105°C FT² WATER RESISTANT
P-241-3-MSHA MADE IN USA

PACKAGING

- 250' (76.2 m), 500' (152.4 m), 1000' (304.8 m)
- Some put-ups may be subject to special order





HVAC

WEIGHTS, MEASUREMENTS, AND PACKAGING

CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING (#/AWG)	NOMINAL INSULATION THICKNESS (mils)	NOMINAL OVERALL DIAMETER (mils)	WEIGHT (lbs/1000 ft)	AMPACITY*
18/2	16/30	30	345	59	10
18/3	16/30	30	365	69	10
18/4	16/30	30	395	81	7
16/2	26/30	30	370	71	13
16/3	26/30	30	390	81	13
16/4	26/30	30	420	99	10
16/5	26/30	30	495	135	8
14/2	41/30	45	505	126	18
14/3	41/30	45	525	149	18
14/4	41/30	45	575	183	15
14/5	41/30	45	652	219	12
12/2	65/30	45	570	163	25
12/3	65/30	45	595	199	25
12/4	65/30	45	645	242	20
10/2	104/30	45	626	207	30
10/3	104/30	45	665	259	30
10/4	104/30	45	705	316	25
8/2	96/28	60	662	242	40
8/3	96/28	60	701	332	40
8/4	96/28	60	783	425	35
8/5	96/28	60	851	509	28
6/3	96/26	60	818	473	45
6/4	96/26	60	892	594	45
4/3	96/24	60	982	677	70
4/4	96/24	60	1104	886	60
2/3	7/17/0.0223	60	1158	1074	95
2/4	7/17/0.0223	60	1267	1332	80

*Ampacity values are based on NEC® Table 400-5(A) for sizes 18 AWG through 10 AWG and Table 400-5(B) for sizes 8 AWG through 2 AWG.

		COLOR CODING				
# OF CONDUCTORS	COLOR SEQUENCE					
2	white, black					
3	white, black, green					
4	white, black, red, green					
5	white, black, red, orange, green					

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