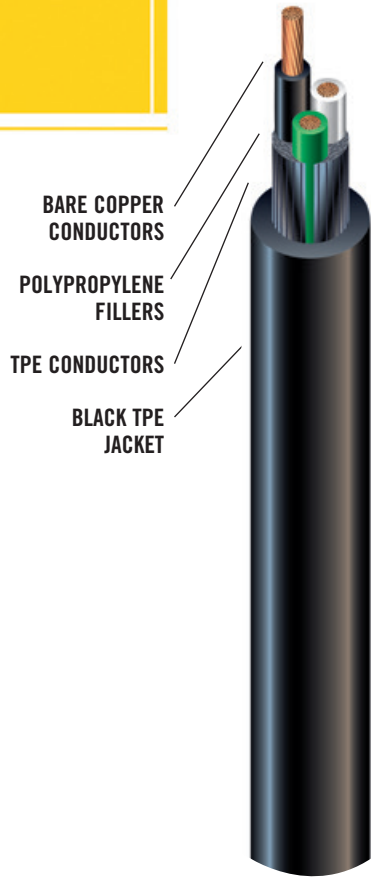


QUANTUM•TPE® TYPE SJE00W 105°C 300 VOLT UL/CSA TPE PORTABLE CORD



Quantum TPE® 105°C
TPE Cord 300 Volt

Extra Flexible
Copper Conductors

Thermoplastic-Elastomer
(TPE) Insulation
and Jacket

Rated -50°C to +105°C

Rated as Hard-Usage
Service Cord

CSA Approved as
Type SJTOOW (TPE)
at -50°C to +105°C

Meets CSA FT-2

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®
- Some 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

- UL Standard 62 for Flexible Cords
- CSA Standard 22.2 No. 49 for Flexible Cords
- Mine Safety and Health Administration (MSHA) Flame Resistance for Mining Applications
- RoHS Compliant
- Federal and Military Specification JC-580B
- NEC® Article 400
- OSHA

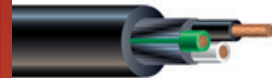
CONSTRUCTION

- **Conductors:**
18 AWG - 10 AWG fully annealed stranded Class K copper per ASTM B-174
- **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 SJE00W (UL) 600V
-50°C TO +105°C CSA 224650 SJTOOW (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	290	44	10
18/3	16/30	30	310	55	10
18/4	16/30	30	335	66	7
16/2	26/30	30	315	54	13
16/3	26/30	30	330	67	13
16/4	26/30	30	360	78	10
14/2	41/30	45	345	68	18
14/3	41/30	45	370	84	18
14/4	41/30	45	400	104	15
12/2	65/30	45	415	97	25
12/3	65/30	45	430	123	25
12/4	65/30	45	475	157	20
10/2	104/30	45	549	166	30
10/3	104/30	45	580	216	30
10/4	104/30	45	640	276	25

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

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

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