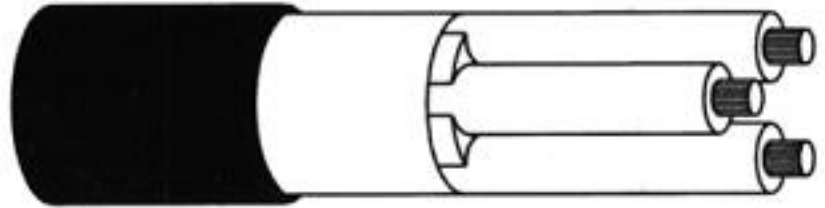


Quantum™ 105°C TPE Cord. 300 Volts. Extra Flexible Copper Conductors.
 Extra Flexible Thermoplastic-Elastomer (TPE) Insulation and Jacket.
 Black Jacket. Rated -50°C to 105°C. RoHS Compliant.
 Rated as Hard-Usage Service Cord.

CSA Approved as Type SJTOOW (TPE) at -50°C to 105°C and meets CSA FT-2.
 Approved for Outdoor Use. Provides Premium Oil Resistance, Water Resistant and Flexibility .



APPLICATIONS

Southwire Type SJEOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the National Electrical Code. Some typical applications for Type SJEOOW Cords 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. Type SJEOOW Cords are 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. Type SJEOOW cords are ideal for flex applications in harsh environments where the highest degree for oil resistance and extended service life are essential.

SPECIFICATIONS

Southwire Type SJEOOW Flexible Cords meet or exceed all applicable requirements of UL 62 (Flexible Cord and Fixture Wire), CSA Standard 22.2 No. 49 (Flexible Cords and Cables), and the Mine Safety and Health Administration (MSHA) flame resistance for Mining Applications. This product complies with the requirements of Federal and Military Specification JC-580B, NEC Article 400, OSHA acceptable and is RoHS Compliant.




CONSTRUCTION

Southwire Type SJEOOW Flexible Cords are manufactured using sizes 18 AWG through 10 AWG bare flexible stranded Class K copper conductors per ASTM B-174, and heat, moisture and oil resistant 105°C color-coded TPE insulation. The insulated conductors are cabled with non-wicking polypropylene fillers, with a tissue-paper separator wrapped around the assembly to promote easier removal of the jacket. A heat, moisture and oil resistant flexible TPE jacket is extruded over the assembly to complete the construction. Some sizes may be subject to minimum order quantity.

QuantumTPE SJEOOW Black

Conductor Size (AWG)	Conductor Stranding (#AWG)	Nominal Insulation Thickness (mils)	Nominal Overall Diameter (mils)	Weight (lbs/1000ft)	Ampacity*
18/2	16 X 30	30	290	44	10
18/3	16 X 30	30	310	55	10
18/4	16 X 30	30	335	66	7
16/2	26 X 30	30	315	54	13
16/3	26 X 30	30	330	67	13
16/4	26 X 30	30	360	78	10
14/2	41 X 30	45	345	68	18
14/3	41 X 30	45	370	84	18
14/4	41 X 30	45	400	104	15
12/2	65 X 30	45	415	97	25
12/3	65 X 30	45	430	123	25
12/4	65 X 30	45	475	157	20
10/2	104 X 30	45	549	166	30
10/3	104 X 30	45	580	216	30
10/4	104 X 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
2	BLACK, WHITE 
3	BLACK, WHITE, GREEN 
4	BLACK, WHITE, GREEN, RED 



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