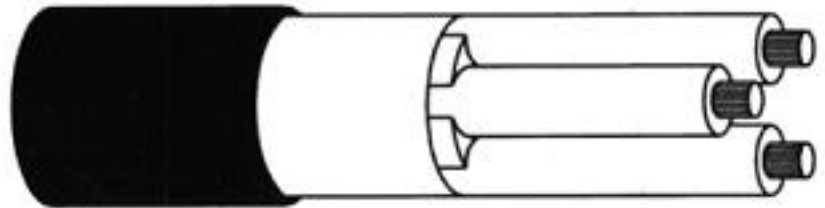


**Quantum™ 105°C TPE Cord. 600 Volts. Extra Flexible Copper Conductors.
Extra Flexible Thermoplastic-Elastomer (TPE) Insulation and Jacket.
Black Jacket. Rated -50°C to 105°C. RoHS Compliant
Rated as Extra Hard-Usage Service Cord.**

**Sizes 18 AWG - 10 AWG CSA Approved as Type STOOW (TPE) and meet CSA FT-2.
Sizes 8-2 AWG are non-UL and non-CSA Listed.**

Approved for Outdoor Use. Provides Premium Oil Resistant, Water Resistant and Flexibility.



APPLICATIONS

Southwire Type SEOOW Flexible Cords are permitted for use as specified by Article 400 and related articles of the National Electrical Code. Some typical applications for Type SEOOW 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 SEOOW 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 SEOOW 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 SEOOW Flexible Cords sizes 18 AWG - 10 AWG meet or exceed all applicable requirements of UL 62 (Flexible Cord and Fixture Wire) and CSA Standard 22.2 No. 49 (Flexible Cords and Cables). Sizes 8 AWG through 2 AWG are non-UL and non-CSA Listed, but meet industry accepted standards for the insulation and jacket thickness. Southwire Type SEOOW complies with the Mine Safety and Health Administration (MSHA) flame resistance for Mining Applications, the requirements of Federal and Military Specification JC-580B, NEC Article 400, OSHA acceptable and is RoHS Compliant.

CONSTRUCTION



Southwire Type SEOOW 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. Also manufactured using 8 AWG through 2 AWG fully annealed stranded copper. 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 SEOOW 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	345	59	10
18/3	16 X 30	30	365	69	10
18/4	16 X 30	30	395	81	7
16/2	26 X 30	30	370	71	13
16/3	26 X 30	30	390	81	13
16/4	26 X 30	30	420	99	10
16/5	26 X 30	30	495	135	8
14/2	41 X 30	45	505	126	18
14/3	41 X 30	45	525	149	18
14/4	41 X 30	45	575	183	15
14/5	41 X 30	45	652	219	12
12/2	65 X 30	45	570	163	25
12/3	65 X 30	45	595	199	25
12/4	65 X 30	45	645	242	20
10/2	104 X 30	45	626	207	30
10/3	104 X 30	45	665	259	30
10/4	104 X 30	45	705	316	25
8/3**	96 X 0.0126	60	718	330	40
8/4**	96 X 0.0126	60	778	408	35
8/5**	96 X 0.0126	60	858	501	28
6/3**	96 X 0.0159	60	798	423	45
6/4**	96 X 0.0159	60	888	545	45
4/4**	96 X 0.0201	60	1008	780	60
2/4**	7 X 17/0.0223	60	1246	1415	80
2/5**	7 X 17/0.0223	60	1433	1813	64

*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.

**Sizes 8 AWG through 2 AWG are not UL or CSA listed.

#OF CONDUCTORS	COLOR SEQUENCE
2	BLACK, WHITE 
3	BLACK, WHITE, GREEN 
4	BLACK, WHITE, GREEN, RED 
5	BLACK, WHITE, GREEN, RED, ORANGE 



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