

# QUANTUM® SEOOW

Southwire's Quantum® SEOOW 105°C TPE Cord. 600 Volts. Flexible Copper Conductors.  
 Extra Flexible Thermoplastic-Elastomer (TPE) Insulation and Jacket.  
 Yellow Jacket. Rated -50°C to 105°C. RoHS Compliant.  
 Rated as Extra Hard-Usage Service Cord.  
 Sizes 18 AWG - 10 AWG CSA Certified as Type STOOW (TPE) and meet CSA FT-2.  
 Sizes 8-2 AWG are non-UL and non-CSA Listed.  
 Listed for Outdoor Use. Provides Premium Oil Resistant, Water Resistance 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

- UL 62
- CSA Standard 22.2 No. 49
- MSHA flame resistance for Mining Applications
- Federal Specification J-C-580B
- NEC Article 400
- OSHA acceptable
- RoHS
- Sizes 8 AWG through 2 AWG are non-UL and non-CSA Listed, but meet industry accepted standards for the insulation and jacket thickness.





## 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 sizes 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 Yellow

Conductor Size (AWG)	Conductor Stranding (#/AWG)	Nominal Insulation Thickness (Inches)	Nominal Jacket Thickness (Inches)	Nominal Overall Diameter (Inches)	Weight (lbs/1000ft)	Ampacity*
18/2	16 X 30	0.030	0.060	0.350	59	10
18/3	16 X 30	0.030	0.060	0.370	71	10
18/4	16 X 30	0.030	0.060	0.395	80	7
16/2	26 X 30	0.030	0.060	0.375	71	13
16/3	26 X 30	0.030	0.060	0.395	82	13
16/4	26 X 30	0.030	0.060	0.425	99	10
16/5	26 X 30	0.030	0.080	0.500	135	8
14/2	41 X 30	0.045	0.080	0.505	127	18
14/3	41 X 30	0.045	0.080	0.550	152	18
14/4	41 X 30	0.045	0.080	0.575	183	15
14/5	41 X 30	0.045	0.095	0.655	219	12
12/2	65 X 30	0.045	0.095	0.580	152	25
12/3	65 X 30	0.045	0.095	0.605	197	25
12/4	65 X 30	0.045	0.095	0.655	240	20
10/2	104 X 30	0.045	0.095	0.625	193	30
10/3	104 X 30	0.045	0.095	0.660	257	30
10/4	104 X 30	0.045	0.095	0.715	313	25
8/2**	96 X 28	0.050	0.060	0.635	233	40
8/3**	96 X 28	0.050	0.060	0.665	327	40
8/4**	96 X 28	0.050	0.060	0.740	420	35
6/3**	133 X 27	0.050	0.060	0.805	458	45
6/4**	133 X 27	0.050	0.080	0.930	599	45
4/3**	133 X 25	0.050	0.080	0.980	667	70
4/4**	133 X 25	0.050	0.080	1.075	865	60
2/3**	162 X 24	0.050	0.080	1.120	971	95
2/4**	162 X 24	0.050	0.080	1.240	1225	80

\*Ampacity values are based on NEC Table 400.5(A) for sizes 18 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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