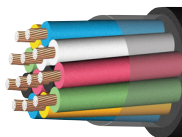


## Control Cable -40°C +90°C UL CSA MSHA Extra Hard Usage - High Grade Mechanical Service

### SPECIFICATIONS & STANDARDS

UL 62/CSA-C 22.2 No 49



### CONSTRUCTION:

- Conductors:** Flexible stranded bare copper, ASTM B-174 and UL 62
- Insulation:** EPR compound, 90°C class 3, table 8, UL 62
- Assembly:** Insulated conductors cabled together
- Separator:** Polyester tape for 18-10 AWG
- Jacket:** Black CPE compound class, 90°C + class 1.4, table 11, UL 62
- Color code:** ICEA S-58-679, Method 1, table 1

FEATURES	APPLICATION
<ul style="list-style-type: none"> <li>- Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water</li> <li>- Flame test meets VW-1, FT2, and MSHA</li> <li>- Temperature range: -40°C to +90°C</li> <li>- Suitable for shallow water immersion</li> <li>- NEC Article 700 permitted use for specific applications.</li> <li>- NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 &amp; 2 as outlined in Articles 501, 502, 503 section 140.</li> </ul>	<ul style="list-style-type: none"> <li>- Industrial and processing equipment, cranes and hoists, track systems, tools, construction equipment, motors and associated machinery, garage portable lights, battery charger and equipment exposed to oils, solvents, flame, moisture and other electrical equipment</li> </ul>

### APPROVALS:

- UL:** E123366
- CSA:** 1534535 (LL 103932)
- MSHA:** P-7K-254013

Part Number	Power Conductor Size	No. of Conductors	Power Conductor Stranding	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG		No. of Stranding	inches	mm	inches	mm	inches	mm		A
SOOW18-5	18	5	16 / 30	0.030	0.76	0.080	2.03	0.46	11.7	123	5.6
SOOW18-6		6				0.080	2.03	0.48	12.3	131	5.6
SOOW18-7		7				0.080	2.03	0.48	12.3	134	5.6
SOOW18-8		8				0.080	2.03	0.52	13.1	151	4.9
SOOW18-10		10				0.080	2.03	0.59	15.0	180	4.9
SOOW18-12		12				0.080	2.03	0.61	15.4	202	3.5
SOOW18-14		14				0.095	2.41	0.66	16.9	246	3.5
SOOW18-16		16				0.095	2.41	0.69	17.6	274	3.5
SOOW18-20		20				0.095	2.41	0.76	19.3	333	3.5
SOOW18-24		24				0.095	2.41	0.83	21.2	376	3.2
SOOW18-30	30	0.110	2.79	0.91	23.0	470	3.2				
SOOW16-5	16	5	26 / 30	0.030	0.76	0.080	2.03	0.49	12.5	149	8.0
SOOW16-6		6				0.080	2.03	0.53	13.4	165	8.0
SOOW16-7		7				0.080	2.03	0.53	13.4	170	8.0
SOOW16-8		8				0.080	2.03	0.56	14.3	193	7.0
SOOW16-9		9				0.095	2.41	0.68	17.2	238	7.0
SOOW16-10		10				0.095	2.41	0.68	17.2	251	7.0
SOOW16-12		12				0.095	2.41	0.70	17.7	282	5.0
SOOW16-14		14				0.095	2.41	0.73	18.5	316	5.0
SOOW16-16		16				0.095	2.41	0.76	19.4	354	5.0
SOOW16-20		20				0.095	2.41	0.84	21.2	434	5.0
SOOW16-24		24				0.110	2.79	0.95	24.1	520	4.5
SOOW16-30		30				0.110	2.79	1.00	25.4	615	4.5
SOOW16-37		37				0.110	2.79	1.07	27.3	730	4.0
SOOW16-40		40				0.110	3.18	1.18	29.9	843	4.0
SOOW16-52		52				0.125	3.18	1.28	32.4	1016	3.5
SOOW16-60		60				0.125	3.18	1.35	34.2	1154	3.5
SOOW14-5	14	5	41 / 30	0.045	1.14	0.095	2.41	0.64	16.4	251	12.0
SOOW14-6		6				0.095	2.41	0.69	17.6	277	12.0
SOOW14-7		7				0.095	2.41	0.69	17.6	285	12.0
SOOW14-8		8				0.095	2.41	0.74	18.9	324	10.5
SOOW14-10		10				0.095	2.41	0.86	21.9	388	10.5
SOOW14-12		12				0.095	2.41	0.89	22.5	441	7.5
SOOW14-16		16				0.095	2.41	0.98	24.8	563	7.5
SOOW14-20		20				0.10	2.79	1.11	28.1	730	7.5
SOOW14-24		24				0.10	2.79	1.22	31.1	828	6.8
SOOW14-30		30				0.125	3.18	1.32	33.6	1027	6.8
SOOW14-37		37				0.125	3.18	1.42	36.2	1224	6.0

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

### STANDARD PRINT LEGEND:

TF CABLE CONTROLFLEX (COND) (SIZE) (mm<sup>2</sup>) (UL) TYPE SOOW E123366 90C SUN & WATER RES 600V CSA TYPE SOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA

### SPECIAL FACTORY OPTIONS:

- Color jacket:** Yellow, orange
- SOOW/H07:** European harmonized dual rating