

## 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:** Paper tape or talc 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> </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>

### COLOR CODE:

- 2/C black, white
- 3/C black, white, green
- 4/C black, white, red, green
- 5/C black, white, red, green, orange

### MULTICORE CABLES:

Number of core:	Color	Tracer	Number of core:	Color	Tracer	Number of core:	Color	Tracer
1	black	-	8	red	black	15	blue	white
2	white	-	9	green	black	16	black	red
3	red	-	10	orange	black	17	white	red
4	green	-	11	blue	black	18	orange	red
5	orange	-	12	black	white	19	blue	red
6	blue	-	13	red	white	20	red	green
7	white	black	14	green	white	21	orange	green

Standard length cable packing: 1000 ft reels; Other forms of packaging available

### APPROVALS:

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

### SPECIAL FACTORY OPTIONS:

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

### UL LISTED

### CSA CERTIFIED

### MSHA APPROVED

Part Number	Power Conductor Size	No. of Conductors	Power Conductor Stranding		Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal O.D.		Approx. Weight	Ampacity (1) 30°C Ambient Temp.
			No. of Stranding		inches	mm	inches	mm	inches	mm		
SOOW12-2	12	2	65 / 30	0.045	1.14	0.095	2.41	0.57	14.4	184	25.0	
SOOW12-3		0.095				2.41	0.59	15.0	217	25.0		
SOOW12-4		4				0.095	2.41	0.64	16.3	261	20.0	
SOOW12-5		5				0.095	2.41	0.70	17.8	319	16.0	
SOOW12-6		6				0.095	2.41	0.74	18.8	344	16.0	
SOOW12-7		7				0.095	2.41	0.74	18.8	358	16.0	
SOOW12-8		8				0.095	2.41	0.80	20.2	408	14.0	
SOOW12-9		9				0.095	2.41	0.92	23.5	461	14.0	
SOOW12-10		10				0.110	2.79	0.95	24.2	519	14.0	
SOOW12-12		12				0.110	2.79	0.98	24.9	591	10.0	
SOOW12-14		14				0.110	2.79	1.03	26.1	668	10.0	
SOOW12-16		16				0.110	2.79	1.08	27.5	755	10.0	
SOOW12-18		18				0.125	3.18	1.17	29.6	878	10.0	
SOOW12-20		20				0.125	3.18	1.22	31.0	971	10.0	
SOOW12-24		24				0.125	3.18	1.35	34.3	1106	9.0	
SOOW12-26		26				0.125	3.18	1.38	35.0	1180	9.0	
SOOW12-30		30				0.125	3.18	1.43	36.3	1327	9.0	
SOOW12-36		36				0.125	3.18	1.53	39.0	1573	8.0	
SOOW12-37		37				0.125	3.18	1.53	39.0	1588	8.0	
SOOW12-44		44				0.125	3.18	1.72	43.6	1868	7.0	
SOOW12-60	60	0.125	3.18	1.90	48.3	2467	7.0					

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

### STANDARD PRINT LEGEND:

TF CABLE CONTROLFLEX (COND) (SIZE) (mm²) (UL) TYPE SOOW E123366 90C SUN & WATER RES 600V CSA TYPE SOOW 90C LL 103932 FT2 -40C P-7K-254013 MSHA



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