

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"> - Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water - Flame test meets FT2, and MSHA - Temperature range: -40°C to +90°C - Suitable for shallow water immersion 	<ul style="list-style-type: none"> - 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

COLOR CODE:

2/C black, white	4/C black, white, red, green
3/C black, white, 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 lbs/1000 ft	Ampacity (1) 30°C Ambient Temp.
	AWG		No. of Stranding	inches	mm	inches	mm	inches	mm		
SOOW18-2	18	2	16 / 30	0.030	0.76	0.060	1.52	0.35	8.8	65	10.0
SOOW18-3		3	16 / 30	0.030	0.76	0.060	1.52	0.37	9.3	77	10.0
SOOW18-4		4	16 / 30	0.030	0.76	0.060	1.52	0.39	10.0	90	7.0
SOOW18-5		5	16 / 30	0.030	0.76	0.080	2.03	0.47	11.9	127	5.6
SOOW18-6		6	16 / 30	0.030	0.76	0.080	2.03	0.49	12.4	133	5.6
SOOW18-7		7	16 / 30	0.030	0.76	0.080	2.03	0.49	12.4	136	5.6
SOOW18-8		8	16 / 30	0.030	0.76	0.080	2.03	0.52	13.1	154	4.9
SOOW18-10		10	16 / 30	0.030	0.76	0.080	2.03	0.59	15.0	184	4.9
SOOW18-12		12	16 / 30	0.030	0.76	0.080	2.03	0.61	15.4	207	3.5
SOOW18-14		14	16 / 30	0.030	0.76	0.095	2.41	0.66	16.9	251	3.5
SOOW18-16		16	16 / 30	0.030	0.76	0.095	2.41	0.69	17.6	280	3.5
SOOW18-18		18	16 / 30	0.030	0.76	0.095	2.41	0.73	18.5	310	3.5
SOOW18-20		20	16 / 30	0.030	0.76	0.095	2.41	0.76	19.3	340	3.5
SOOW18-22		22	16 / 30	0.030	0.76	0.095	2.41	0.83	21.2	364	3.2
SOOW18-24		24	16 / 30	0.030	0.76	0.095	2.41	0.83	21.2	384	3.2
SOOW18-27		27	16 / 30	0.030	0.76	0.095	2.41	0.85	21.6	418	3.2
SOOW18-30		30	16 / 30	0.030	0.76	0.110	2.79	0.91	23.0	480	3.2
SOOW18-36		36	16 / 30	0.030	0.76	0.110	2.79	0.97	24.7	561	2.8
SOOW18-39		39	16 / 30	0.030	0.76	0.110	2.79	1.04	26.3	616	2.8
SOOW18-44		44	16 / 30	0.030	0.76	0.110	2.79	1.08	27.4	659	2.5
SOOW18-52		52	16 / 30	0.030	0.76	0.110	2.79	1.12	28.5	750	2.5
SOOW18-60	60	16 / 30	0.030	0.76	0.125	3.18	1.22	30.9	887	2.5	

(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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