

Power 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:** Stranded bare copper, ASTM B-173 and UL 62
- Insulation:** EPR compound, 90°C compound class 3, table 8, UL 62
- Assembly:** Insulated conductors cabled together with integral filled or rubber fillers
- Separator:** Polyester tape for 8-2 AWG
- Jacket:** Black CPE 90°C compound class 1.4, UL 62, table 15
- Color code:** ICEA S-58-679, Method 1, table 1; 2/c, 3/c - black, white, green; 4/c, 5/c - black, white, red, green, orange

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

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. A
	AWG		No. and Diameter of Stranding	inches	mm	inches	mm	inches	mm		
SOOW8-2 IF-UL/CSA	8	2	67 / 0.0156	0.060	1.52	0.110	2.79	0.78	19.8	367	40.0
SOOW8-3 IF-UL/CSA		3				0.110	2.79	0.83	21.1	452	40.0
SOOW8-4 IF-UL/CSA		4				0.125	3.18	0.93	23.5	577	35.0
SOOW8-5 IF-UL/CSA		5				0.125	3.18	1.00	25.4	683	28.0
SOOW6-2 IF-UL/CSA	6	2	184 / 0.0117	0.060	1.52	0.125	3.18	0.92	23.4	525	55.0
SOOW6-3 IF-UL/CSA		3				0.125	3.18	0.97	24.6	641	55.0
SOOW6-4 IF-UL/CSA		4				0.140	3.56	1.05	26.7	785	45.0
SOOW6-5 IF-UL/CSA		5				0.140	3.56	1.18	30.0	983	36.0
SOOW4-2 IF-UL/CSA	4	2	165 / 0.0156	0.060	1.52	0.140	3.56	1.06	26.9	728	70.0
SOOW4-3 IF-UL/CSA		3				0.140	3.56	1.13	28.7	913	70.0
SOOW4-4 IF-UL/CSA		4				0.155	3.94	1.25	31.8	1156	60.0
SOOW4-5 IF-UL/CSA		5				0.155	3.94	1.31	33.2	1318	48.0
SOOW2-2 IF-UL/CSA	2	2	262 / 0.0156	0.060	1.52	0.155	3.94	1.21	30.7	1000	95.0
SOOW2-3 IF-UL/CSA		3				0.155	3.94	1.30	33.1	1287	95.0
SOOW2-4 IF-UL/CSA		4				0.170	4.32	1.45	36.8	1644	80.0
SOOW2-5 IF-UL/CSA		5				0.170	4.32	1.53	38.8	1900	64.0

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

STANDARD PRINT LEGEND:

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



555 Remington Blvd, Bolingbrook, IL 60440 | tel: 630-406-9000 fax: 630-406-6574
e-mail: sales@tfcable.com | http://www.tfcable.com