

HELUPOWER® SOOW



S: Service cord - OO: oil-resistant insulation & jacket - W: water resistant, 600 V, 90°C



UL SOOW 90°C SUN & WATER RES 600 V FT2 CSA TYPE SOOW 90°C FT2

TECHNICAL DATA

Rubber control and connection cable acc. to UL-Std. 62, CSA-Std. C22.2 No. 49

Temperature range	flexible -20°C to +90°C fixed -40°C to +90°C
Permissible operating temperature of the conductor	+90°C
Nominal voltage	AC U 600 V
Test voltage core/core	2500 V
Minimum bending radius	flexible 10x Outer-Ø fixed 6x Outer-Ø

■ CABLE STRUCTURE

- Copper wire bare, finely stranded, AWG sizes
- Core insulation: rubber (EPR)
- Core identification:
 - 2 core(s): black, white
 - 3 core(s): black, white, green
 - 4 core(s): black, white, red, green
 - 5 core(s): black, white, red, orange, green
 - 10 core(s): black, white, red, green, orange, blue, white-black, red-black, green-black, orange-black
- x = without protective conductor

- Cores stranded in layers with optimal lay lengths
- Wrapping
- Outer sheath: rubber (CPE)
- Sheath colour: black

■ PROPERTIES

- resistant to: oil, ozone, weathering effects, greases, water, UV radiation (SUN RES)
- for outdoor use

■ TESTS

- flame-retardant acc. to CSA FT2
- certifications and approvals:
 - Mine Safety and Health Administration (MSHA), U.S. Department of Labor
 - for Class 1 Div. 2 explosive environments acc. to NEC Art. 501

■ APPLICATION

Standardised, heavy, rubber-sheathed cable for usage in dry, moist, wet rooms as well as outdoors. Used as supply cable in industrial plants and processing facilities, for cranes, hand lamps, lifting devices, construction machinery and motors.

Part no.	No. cores x AWG-No.	Outer-Ø min - max mm	Current carrying capacity*	Cu-weight kg/km	Weight kg/km, approx.
11161802	2 x 18	8.4 - 9.8	10	15.8	113.0
11161803	3 x 18	8.8 - 10.2	10	23.7	133.0
11161804	4 x 18	9.6 - 10.9	7	31.6	141.0
11161805	5 x 18	11.5 - 13.0	5.6	39.5	194.0
11161602	2 x 16	9.0 - 10.4	13	25.2	126.0
11161603	3 x 16	9.5 - 10.9	13	37.7	148.0
11161604	4 x 16	10.3 - 11.7	10	50.3	174.0
11161605	5 x 16	12.1 - 14.0	8	62.9	233.1
11019915	10 x 16	15.1 - 17.7	7	130.0	377.0
11161402	2 x 14	12.4 - 14.0	18	39.9	237.0
11161403	3 x 14	12.9 - 14.6	18	59.9	273.0
11161404	4 x 14	13.9 - 15.7	15	79.9	321.0
11161405	5 x 14	15.8 - 17.9	12	99.8	400.0
11161202	2 x 12	13.9 - 15.9	25	63.4	314.0
11161203	3 x 12	14.5 - 16.6	25	95.0	359.0
11161204	4 x 12	15.8 - 18.0	20	126.7	406.1
11161205	5 x 12	16.9 - 19.6	16	158.4	524.0

Part no.	No. cores x AWG-No.	Outer-Ø min - max mm	Current carrying capacity*	Cu-weight kg/km	Weight kg/km, approx.
11161002	2 x 10	15.1 - 17.4	30	101.0	386.0
11161003	3 x 10	16.0 - 18.3	30	151.5	462.0
11161004	4 x 10	17.3 - 19.7	25	202.0	554.0
11161005	5 x 10	18.7 - 21.3	20	252.5	644.0
11160803	3 x 8	21.1 - 23.6	40	240.9	713.0
11160804	4 x 8	23.5 - 26.7	35	321.3	921.0
11160805	5 x 8	25.4 - 29.2	28	401.6	1120.0
11160603	3 x 6	23.8 - 27.9	55	383.0	979.7
11160604	4 x 6	26.7 - 30.5	45	510.7	1240.0
11160605	5 x 6	29.0 - 33.8	36	638.4	1500.0
11160403	3 x 4	28.2 - 32.5	70	610.6	1424.0
11160404	4 x 4	31.5 - 36.8	60	814.1	1904.0
11160405	5 x 4	33.3 - 36.8	48	1017.6	2143.0
11160203	3 x 2	32.3 - 38.1	95	967.7	1959.0
11160204	4 x 2	35.9 - 41.9	80	1290.2	2477.5
11160205	5 x 2	39.0 - 43.1	64	1612.8	3064.0

*) Current carrying capacity at 30°C in air