

# HELUPOWER® SJOOW



**SJ: Junior service cord - OO: oil-resistant insulation & jacket - W: water resistant, 300 V, 90°C**



UL SJOOW 90°C SUN & WATER RES 300 V FT2 CSA TYPE SJOOW 90°C FT2

## TECHNICAL DATA

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

<b>Temperature range</b>	flexible -20°C to +90°C fixed -40°C to +90°C
<b>Permissible operating temperature of the conductor</b>	+90°C
<b>Nominal voltage</b>	AC U 300 V
<b>Test voltage core/core</b>	2500 V
<b>Minimum bending radius</b>	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
- x = without protective conductor
- Cores stranded with optimal lay lengths
- Wrapping

Part no.	No. cores x AWG-No.	Outer-Ø min - max mm	Current carrying capacity*	Cu-weight kg/km	Weight kg/km, approx.
11131802	2 x 18	6.8 - 8.0	10	15.8	84.0
11131803	3 x 18	7.3 - 8.6	10	23.7	100.0
11131804	4 x 18	8.0 - 9.3	7	31.6	106.0
11131602	2 x 16	7.4 - 8.7	13	25.2	94.0
11131603	3 x 16	7.9 - 9.2	13	37.7	112.0
11131604	4 x 16	8.8 - 10.0	10	50.3	139.0
11131402	2 x 14	8.2 - 9.6	18	39.9	123.0
11131403	3 x 14	8.9 - 10.0	18	59.9	152.0

\*) Current carrying capacity at 30°C in air

- 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.
11131404	4 x 14	9.9 - 11.0	15	79.9	191.0
11131202	2 x 12	9.8 - 11.6	25	63.4	180.0
11131203	3 x 12	10.5 - 12.1	25	95.0	217.0
11131204	4 x 12	11.6 - 13.2	20	126.7	270.0
11131002	2 x 10	13.6 - 15.4	30	101.0	322.0
11131003	3 x 10	14.1 - 16.1	30	151.5	376.0
11131004	4 x 10	15.8 - 17.8	25	202.0	525.0