



SJOOW IF

300 V

UL 62 and CAN/CSA C22.2 No 49

Portable cord and control cable

APPLICATIONS

- 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
- Other industrial applications

CONSTRUCTION

Conductors	Flexible stranded bare copper in accordance with ASTM B3 and UL 62
Insulation	EPR compound Class 3 complies with Table 8 of UL 62
Color code	ICEA S-58-679, Method 1, Tab.1 2/C Black, White 3/C Black, White, Green 4/C Black, White, Red, Green 5/C Black, White, Red, Green, Orange 6/C Black, White, Red, Green, Orange, Blue
Cabling	Insulated conductors cabled together, integral filled jacket
Outer jacket	CPE compound Class 1.4 complies with Table 11 of UL 62
Color of outer jacket	Black. Other colour available on request



Features

Excellent flexibility, resistance to oil, solvents, ozone, weather, sunlight and water.	Water resistant 60°C
Flame test meets FT2, MSHA	Ink jet printed for easy identification
Temperature range -40°C to +90°C	

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Minimum bending radius:	For cable diameter D (mm)		
	D ≤ 8	8 < D ≤ 12	12 < D ≤ 20
For fixed installation	3 D	3 D	4 D
For mobile	5 D	5 D	6 D

Approvals

UL:	E123366 (CPE)
CSA:	1534535 (LL 103932)(CPE), FT2
MSHA:	P-7K-254013 (CPE)
Standard length cable packing	250, 500 or 1000 ft on drums. Other forms of packing and delivery are available on request

Part Number	AWG size	No. of conductor	Conductor strand		Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Weight lbs/1000ft	Ampacity at 30°C in air A
					Inches	mm	Inches	mm	Inches	mm		
SJOOW18-2		2	16 /	30	0.030	0.76	0.030	0.76	0.288	7.3	50	10
SJOOW18-3		3	16 /	30	0.030	0.76	0.030	0.76	0.30	7.8	60	10
SJOOW18-4	18	4	16 /	30	0.030	0.76	0.030	0.76	0.33	8.4	71	7
SJOOW18-5		5	16 /	30	0.030	0.76	0.030	0.76	0.35	8.8	78	5.6
SJOOW18-6		6	16 /	30	0.030	0.76	0.030	0.76	0.35	9.8	96	5.6
SJOOW16-2		2	26 /	30	0.030	0.76	0.030	0.76	0.31	7.9	53	13
SJOOW16-3		3	26 /	30	0.030	0.76	0.030	0.76	0.33	8.4	66	13
SJOOW16-4	16	4	26 /	30	0.030	0.76	0.030	0.76	0.36	9.1	83	10
SJOOW16-5		5	26 /	30	0.030	0.76	0.030	0.76	0.39	10.0	103	8
SJOOW14-2		2	41 /	30	0.030	0.76	0.030	0.76	0.34	8.7	80	18
SJOOW14-3		3	41 /	30	0.030	0.76	0.030	0.76	0.36	9.2	88	18
SJOOW14-4	14	4	41 /	30	0.030	0.76	0.030	0.76	0.40	10.1	110	15
SJOOW14-5		5	41 /	30	0.030	0.76	0.030	0.76	0.44	11.1	137	12

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Part Number	AWG size	No. of conductor	Conductor strand		Nominal insulation thickness		Nominal jacket thickness		Nominal overall diameter		Weight lbs/1000ft	Ampacity at 30°C in air A
					Inches	mm	Inches	mm	Inches	mm		
SJOOW12-2	12	2	65 /	30	0.030	0.76	0.045	1.14	0.41	10.4	104	25
SJOOW12-3		3	65 /	30	0.030	0.76	0.045	1.14	0.43	10.9	131	25
SJOOW12-4		4	65 /	30	0.030	0.76	0.045	1.14	0.47	11.9	163	20
SJOOW12-5		5	65 /	30	0.030	0.76	0.045	1.14	0.51	12.9	200	16
SJOOW10-2	10	2	103 /	30	0.045	1.14	0.060	1.52	0.54	13.8	177	30
SJOOW10-3		3	103 /	30	0.045	1.14	0.060	1.52	0.58	14.6	225	30
SJOOW10-4		4	103 /	30	0.045	1.14	0.060	1.52	0.63	16.0	279	25
SJOOW10-5		5	103 /	30	0.045	1.14	0.060	1.52	0.68	17.3	355	20

NOTE 1. Ampacity values shown are for current carrying conductors. A grounding conductor, or one which carries only the unbalanced current from other conductors, is not counted in determining current carrying capacity.

NOTE 2. Correction factor for ambient temperature of 40°C is 0.91

Standard Print Legend

Up to 4 cores	From 5 cores
TF CABLE FLEXTREME (COND) (SIZE) (mm ²) (UL) TYPE SJOOW E123366 90°C SUN&WATER RES 300V FT2 CSA	TF CABLE CONTROLFLEX (COND) (SIZE) (mm ²) (UL) TYPE SJOOW E123366 90°C SUN&WATER RES 300V FT2 CSA
TYPE SJOOW 90°C LL 103932 FT2 -40°C P-7K254013 MSHA	TYPE SJOOW 90°C LL 103932 FT2 -40°C P-7K254013 MSHA

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