SOFLX™ SJOOW CORD

SJOOW CORD

APPLICATION / SCOPE

SJOOW flexible cords are designed for portable tools, equipment, small motors and associated machinery, industrial equipment, marine dockside power, appliances, equipment exposed to oils, solvents, flame, moisture and other electrical equipment where flexibility and durability are required. The rated voltage is 300V and the temperature range is -40°C to +105°C.

This specification covers flame retardant, water and ozone resistance, and flexible cables.

STANDARDS

- UL 62
- CSA C22.2 No.49
- MSHA
- NEC Table 400.5 Allowable Ampacity for Flexible Cords and Cables

CONDUCTOR

Flexible stranded bare copper in accordance with ASTM B-3 and UL 62

INSULATION

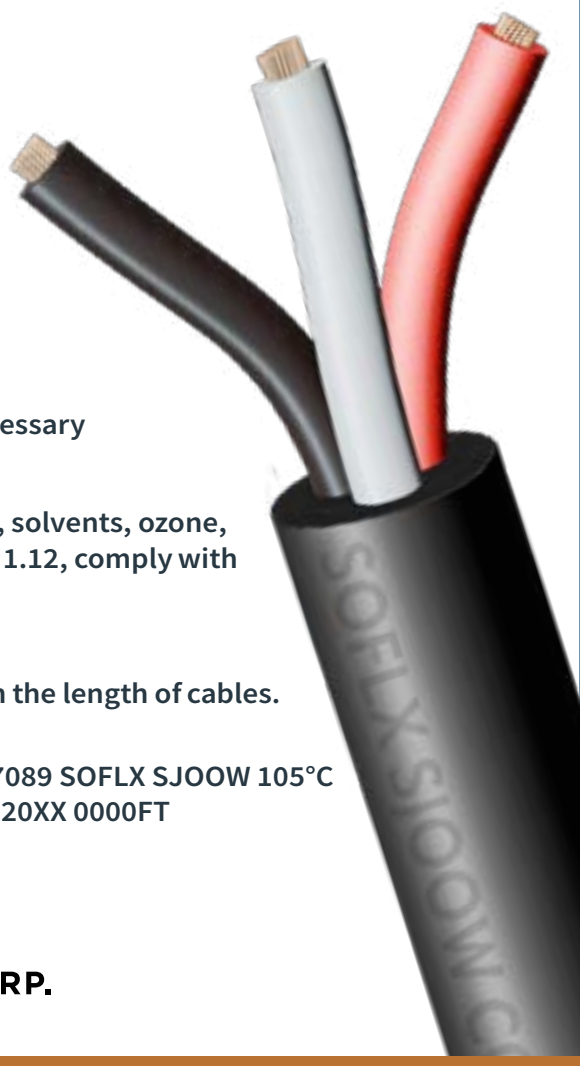
1. Material

Premium grade color coded Ethylene-Propylene Diene Monomer (EPDM) 105°C compound class 19 comply with table 8 of UL 62.

2. Color Code Table

CORE #	COLOR	TRACER	CORE #	COLOR	TRACER	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

For more than 21 conductors the color sequence is repeated as necessary



JACKET

Overall jacket of black Chlorinated Polyethylene (CPE), which is oil, solvents, ozone, weather, sunlight, and water resistant. CPE 105°C compound class 1.12, comply with table 11 of UL 62.

PRINT LEGEND

The cables shall be marked with the following information through the length of cables. The marking shall be repeated at least every 2 feet.

Example of print : ICC CABLE 3/C 18 AWG (0.824MM2) UL c(UL) E537089 SOFLX SJOOW 105°C SUN & WATER RES. 300V -40°C FT1 FT2 07-KA240001-MSHA (WEEK)20XX 0000FT

ICC CABLE CORP.

SJOOW CORD

CONDUCTOR SIZE	NUMBER OF CONDUCTORS	CONDUCTOR STRANDING	INSULATION THINKNESS	JACKET THICKNESS	OVERALL DIAMETER	WEIGHT	RATED AMPACITY
(AWG)		(NO. / AWG)	(IN)	(IN)	(IN)	(LBS/ MFT)	(AMPS)
18	2	16/0.254	0.03	0.03	0.28	50	10
18	3	16/0.254	0.03	0.03	0.3	60	10
18	4	16/0.254	0.03	0.03	0.33	71	7
18	5	16/0.254	0.03	0.03	0.36	80	5.6
16	2	26/0.254	0.03	0.03	0.31	53	13
16	3	26/0.254	0.03	0.03	0.33	66	13
16	4	26/0.254	0.03	0.03	0.36	83	10
16	5	26/0.254	0.03	0.03	0.39	88	8
14	2	41/0.254	0.03	0.03	0.34	80	18
14	3	41/0.254	0.03	0.03	0.36	88	18
14	4	41/0.254	0.03	0.03	0.4	110	15
14	5	41/0.254	0.03	0.03	0.44	134	12
12	2	65/0.254	0.03	0.05	0.41	104	25
12	3	65/0.254	0.03	0.05	0.43	131	25
12	4	65/0.254	0.03	0.05	0.47	163	20
12	5	65/0.254	0.03	0.05	0.51	207	16
10	2	104/0.254	0.03	0.05	0.54	177	30
10	3	104/0.254	0.05	0.06	0.58	225	30
10	4	104/0.254	0.05	0.06	0.63	279	25
10	5	104/0.254	0.05	0.06	0.68	334	20