



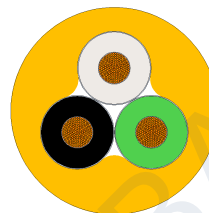
TEBAOFLEX CABLE

DATA SHEET

Industrialcable

SJOOW / SOOW

105 deg C, 300 V and 600 V flexible portable cord



APPLICATION

High-visibility flexible portable cord for portable tools, appliances, small motors and associated machinery. Suitable for construction-site power, industrial plants, mining, food-processing equipment, marinas, docks, shipyards and OEM or maintenance applications. Designed for demanding indoor and outdoor service where flexibility, oil resistance, moisture resistance, abrasion resistance and visibility are important.

CONSTRUCTION

Component	Description
Conductor	Fully annealed stranded bare copper, 18 AWG through 10 AWG
Insulation	Premium-grade, colour-coded EPDM rated 105 deg C
Three-conductor colour code	Black, white and green
Four-conductor colour code	Black, white, red and green
Outer jacket	Premium CPE compound, yellow high-visibility finish

CHARACTERISTICS

- Excellent resistance to oil and moisture.
- High flexibility with good tensile strength, elongation and ageing characteristics.
- Excellent abrasion resistance.
- Ozone, sunlight, UV and weather resistant for indoor and outdoor use.
- Water resistant and suitable for immersion when properly sealed and terminated.

TECHNICAL INFORMATION

Parameter	Unit	Value
Cord types		SJOOW; SOOW
Rated voltage	V	SJOOW 300; SOOW 600
Temperature range	°C	-50 to +105
Flexible cord standards		UL 62; CSA C22.2 No. 49
Additional compliance		MSHA approved; RoHS compliant

PACKING

Standard lengths: 250 ft (76.2 m) and 1000 ft (304.8 m); other lengths available on request.

TECHNICAL DATA

DIMENSIONS AND WEIGHT

Dimensions, ampacity and approximate weight by cord type.

Conductors x AWG	Conductor strand	Nominal insulation in / mm	Nominal OD in / mm	Current A	Approx. net weight lb/1000 ft
SOOW - 600 V - 105 deg C					
3 x 18	16/30	0.030 / 0.76	0.365 / 9.27	10	84
4 x 18	16/30	0.030 / 0.76	0.394 / 10.01	7	101
3 x 16	26/30	0.030 / 0.76	0.399 / 10.13	13	103
4 x 16	26/30	0.030 / 0.76	0.432 / 10.97	10	119
3 x 14	41/30	0.045 / 1.14	0.532 / 13.51	18	172
4 x 14	41/30	0.045 / 1.14	0.576 / 14.63	15	208
3 x 12	65/30	0.045 / 1.14	0.607 / 15.42	25	229
4 x 12	65/30	0.045 / 1.14	0.650 / 16.51	20	280
3 x 10	104/30	0.045 / 1.14	0.656 / 16.66	30	295
4 x 10	104/30	0.045 / 1.14	0.712 / 18.08	25	353
NOTES					

- Insulation thickness and overall diameter are shown as inches / millimetres.
- Approximate net weight is shown in lb/1000 ft; ampacity follows NEC Table 400.5(A)(1).

TECHNICAL DATA

DIMENSIONS AND WEIGHT

Dimensions, ampacity and approximate weight by cord type.

Conductors x AWG	Conductor strand	Nominal insulation in / mm	Nominal OD in / mm	Current A	Approx. net weight lb/1000 ft
SJOOW - 300 V - 105 deg C					
3 x 18	16/30	0.030 / 0.76	0.305 / 7.75	10	63
4 x 18	16/30	0.030 / 0.76	0.334 / 8.48	7	76
3 x 16	26/30	0.030 / 0.76	0.339 / 8.61	13	76
4 x 16	26/30	0.030 / 0.76	0.372 / 9.45	10	95
3 x 14	41/30	0.030 / 0.76	0.365 / 9.27	18	106
4 x 14	41/30	0.030 / 0.76	0.418 / 10.62	15	121
3 x 12	65/30	0.030 / 0.76	0.438 / 11.13	25	146
4 x 12	65/30	0.030 / 0.76	0.479 / 12.17	20	185
3 x 10	104/30	0.045 / 1.14	0.586 / 14.88	30	242
4 x 10	104/30	0.045 / 1.14	0.642 / 16.30	25	304

NOTES

- Insulation thickness and overall diameter are shown as inches / millimetres.
- Approximate net weight is shown in lb/1000 ft; ampacity follows NEC Table 400.5(A)(1).

CERTIFICATIONS

