

Type STOW Flexible Cord, Copper

PVC Insulated, PVC Jacketed, 600 V



A Viakable Company

Features

- Listed per UL and CSA.
- Insulation is rated VW-1 and FT2.
- Cable is Sunlight Resistance.
- Jacket is rated for -40 °C and upon request, either 60 °C or 105 °C per UL/CSA.
- Rated per UL as Outdoor and/or Water Resistant Cable.
- Complete cable is Lead Free and RoHS compliant.

Application

- Portable cord for electrical power supply and general use in equipment exposed to severe environments.
- For use outdoors in wet or dry locations, pendants, connection of portable lamps, portable and mobile signs or appliances, wiring of cranes or hoists, and as permitted by NEC, article 400.7.

Standards

- UL 62
- Flexible Cord and Fixture Wire.

Specifications

Maximum operating voltage:

- 600 volts

Maximum conductor operation temperatures:

Per UL

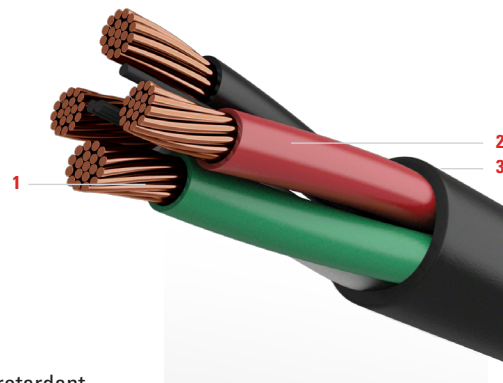
- Dry 60 °C or 105 °C (upon request)
- Wet 60 °C
- Oil 60 °C

Engineering Information

1. Conductor: Soft annealed bare copper conductor, bunch or rope lay flexible stranding.

Sizes: 18 AWG to 2 AWG

Separator: A separator tape of suitable material, as required.



2. Insulation: Flame retardant thermoplastic polyvinyl chloride (PVC).

Conductors ID: Color coded insulation.

Number of Conductors	Color
2	Black, White
3	Black, White, Green
4	Black, White, Red, Green

Assembly: Two or more conductors cabled with suitable fillers as required and a binder tape.

3. Jacket: Black flame retardant thermoplastic polyvinyl chloride (PVC).

Technical Data

Type STOW 600 V

Size AWG	Number of Strands	Size of Each Strand	Insulation Thickness	Jacket Thickness	Nominal Outside Diameter	Approximate Total Weight
		AWG	mil	mil	in	lb/kft
2 Conductors						
18	16	30	30	60	0.34	54
16	26	30	30	60	0.37	67
14	41	30	45	80	0.51	128
12	65	30	45	95	0.59	181
10	105	30	45	95	0.64	228
8	168	30	60	110	0.80	349
6	266	30	60	125	0.94	538
4	420	30	60	140	1.09	800
2	665	30	60	155	1.26	1142
3 Conductors						
18	16	30	30	60	0.36	67
16	26	30	30	60	0.39	87
14	41	30	45	80	0.54	161
12	65	30	45	95	0.62	228
10	105	30	45	95	0.68	302
8	168	30	60	110	0.84	464
6	266	30	60	125	0.99	719
4	420	30	60	140	1.01	1089
2	665	30	60	155	1.34	1572
4 Conductors						
18	16	30	30	60	0.39	87
16	26	30	30	60	0.42	108
14	41	30	45	80	0.58	195
12	65	30	45	95	0.67	289
10	105	30	45	95	0.74	376
8	168	30	60	125	0.95	612
6	266	30	60	140	1.11	941
4	420	30	60	155	1.01	1431
2	665	30	60	170	1.50	2063

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

Ampacities: Refer to beginning of section.