



Flat Cables

Spec for IN1805092

450°F / 232°C EPDM/LEAD Flat Electrical Submersible Pump Cable

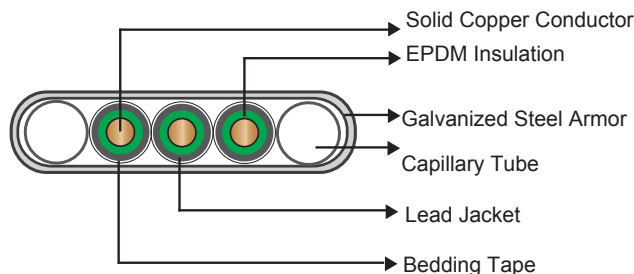
» Application

These cables are designed for transmitting power to the submersible motor in the oil industry, suitable for installed down well in the oil industry.

» Standard

IEEE Std. 1018
API RP 11S5
API RP 11S6

» Construction



Conductor: Solid bare copper conductor.

Insulation: EPDM insulation with a poly adhesive layer to the conductor.

Jacket: Lead jacket.

Tape: Overlapped fiber cloth bedding tape.

Armor: Galvanized steel tape.

Capillary Tube: SS 316.



Flat Cables

» Dimensions and Weight

5KV

Cable Type	Conductor Size		Conductor O.D.	Insulation Thickness		Overall O.D.		Weight
	AWG	mm ²	mm	Inches	mm	Inches	mm	kg/km
QYEQC-232-5KV-3G2	2	33.62	6.54±0.07	0.07	1.9	0.63 x 2.40	16.0 x 61.0	3820
QYEQC-232-5KV-3G4	4	21.15	5.19±0.05	0.07	1.9	0.57 x 2.24	14.5 x 57.0	3240

» Electrical Data

Voltage	KV AC	5
Minimum Insulation Resistance (15.6°C)	MΩ·km	2AWG-1294; 4AWG-1548
Maximum DC Current Unbalance	%	2
Maximum DC Leakage (15.6°C)	μA/(KV·km)	2AWG-0.77; 4AWG-0.65
Maximum DC Conductor Resistant	Ω/km	2AWG-0.522; 4AWG-0.83
DC 35kV/5min		No breakdown

» Mechanical Data

Temperature Rated	°C	232
Minimum Bending Radius	mm	2AWG-320; 4AWG-280