



## Flat Cables

### 284°F / 140°C EPDM/NBR Flat Electrical Submersible Pump Cable

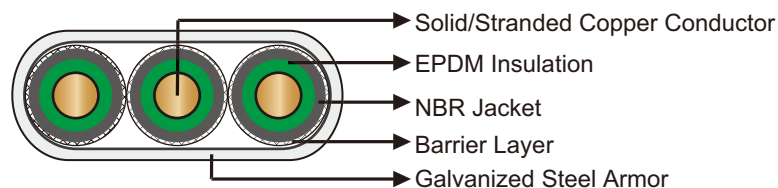
#### » Applications

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/stranded copper conductor.

#### **Insulation:**

EPDM insulation.

#### **Jacket:**

Oil-resistant nitrile rubber. Each insulated conductor should be individually jacketed or three conductors laid parallel within a common encapsulated jacket.

#### **Barrier:**

Barrier tape and braid, used for fluid protection and hoop strength.

#### **A armor:**

Galvanized steel.



## Flat Cables

### » Dimensions and Weight

#### 3kV

Cable Type	Conductor Size		Conductor O.D.		Insulation Thickness		Overall O.D.		Weight	
	AWG	mm <sup>2</sup>	inches	mm	Inches	mm	Inches	mm	lbs/kft	kg/km
QYEN-140-3kV-3G10S	-	10	0.14	3.556	0.075	1.9	1.55×0.54	39.3×13.8	751	1118
QYEN-140-3kV-3G6	6	13.3	0.162	4.115	0.075	1.9	1.64×0.57	41.6×14.5	856	1274
QYEN-140-3kV-3G16S	-	16	0.178	4.521	0.075	1.9	1.70×0.59	43.3×15.1	939	1397
QYEN-140-3kV-3G4	4	21.1	0.204	5.182	0.075	1.9	1.81×0.63	46.0×16.0	1084	1613
QYEN-140-3kV-3G25S	-	25	0.222	5.639	0.075	1.9	1.89×0.66	47.9×16.6	1193	1775
QYEN-140-3kV-3G2	2	33.6	0.258	6.553	0.075	1.9	2.03×0.71	51.7×17.9	1430	2128
QYEN-140-3kV-3G1	1	42.4	0.289	7.341	0.075	1.9	2.16×0.75	54.9×19.0	1656	2464
QYEN-140-3kV-3G1/0	1/0	53.5	0.368	9.347	0.075	1.9	2.49×0.86	63.2×21.8	2319	3451
QYEN-140-3kV-3G2/0	2/0	67.4	0.414	10.516	0.075	1.9	2.68×0.92	68.1×23.4	2764	4114

#### 5kV

Cable Type	Conductor Size		Conductor O.D.		Insulation Thickness		Overall O.D.		Weight	
	AWG	mm <sup>2</sup>	inches	mm	Inches	mm	Inches	mm	lbs/kft	kg/km
QYEN-140-5kV-3G10S	-	10	0.14	3.556	0.09	2.3	1.68×0.59	42.6×14.9	819	1219
QYEN-140-5kV-3G6	6	13.3	0.162	4.115	0.09	2.3	1.77×0.62	44.9×15.6	926	1378
QYEN-140-5kV-3G16S	-	16	0.178	4.521	0.09	2.3	1.83×0.64	46.6×16.2	1010	1503
QYEN-140-5kV-3G4	4	21.1	0.204	5.182	0.09	2.3	1.94×0.67	49.3×17.1	1158	1723
QYEN-140-5kV-3G25S	-	25	0.222	5.639	0.09	2.3	2.02×0.70	51.2×17.7	1268	1887
QYEN-140-5kV-3G2	2	33.6	0.258	6.553	0.09	2.3	2.17×0.75	55.0×19.0	1509	2245
QYEN-140-5kV-3G1	1	42.4	0.289	7.341	0.09	2.3	2.29×0.79	58.3×20.1	1737	2585
QYEN-140-5kV-3G1/0	1/0	53.5	0.368	9.347	0.09	2.3	2.62×0.90	66.6×22.9	2408	3584
QYEN-140-5kV-3G2/0	2/0	67.4	0.414	10.516	0.09	2.3	2.81×0.96	71.4×24.5	2858	4253