



Flat Cables

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

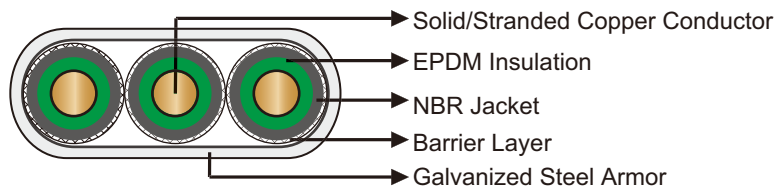
» Applications

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.

Armor:

Galvanized steel.



Flat Cables

» Dimensions and Weight

3kV

| Cable Type | Conductor Size | | Conductor O.D. | | Insulation Thickness | | Overall O.D. | | Weight | |
|--------------------|----------------|-----------------|----------------|--------|----------------------|-----|--------------|-----------|---------|-------|
| | AWG | mm ² | 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 ² | 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 |