



Flat Cables

176°F / 80°C PP/HDPE Flat Electrical Submersible Pump Cable

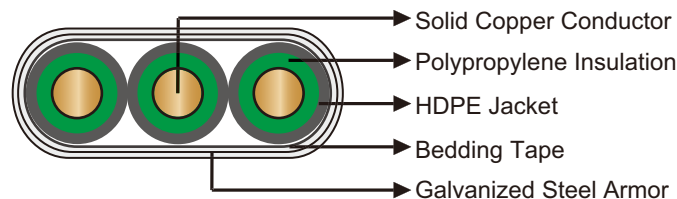
» Applications

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. 1019
API RP 11S5
API RP 11S6

» Construction



Conductor:

Solid bare copper conductor with poly adhesive layer.

Insulation:

Polypropylene insulation

Jacket:

HDPE jacket.

Tape:

Helicoidally applied bedding tape.

Armor:

Galvanized steel armor.



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 |
| QYPH-80-3kV-3G6 | 6 | 13.3 | 0.16 | 4.1 | 0.075 | 1.9 | 1.5 x 0.6 | 39.2 x 14.4 | 850 | 1265 |
| QYPH-80-3kV-3G4 | 4 | 21.1 | 0.20 | 5.1 | 0.075 | 1.9 | 1.7 x 0.6 | 42.4 x 15.5 | 1060 | 1577 |
| QYPH-80-3kV-3G2 | 2 | 33.5 | 0.26 | 6.6 | 0.075 | 1.9 | 1.8 x 0.7 | 46.5 x 16.9 | 1360 | 2023 |
| QYPH-80-3kV-3G1 | 1 | 42.4 | 0.29 | 7.4 | 0.075 | 1.9 | 1.9 x 0.7 | 48.9 x 17.7 | 1560 | 2321 |

4kV

| 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 |
| QYPH-80-4kV-3G6 | 6 | 13.3 | 0.16 | 4.1 | 0.08 | 2.1 | 1.6 x 0.6 | 40.4 x 14.8 | 880 | 1309 |
| QYPH-80-4kV-3G4 | 4 | 21.1 | 0.20 | 5.1 | 0.08 | 2.1 | 1.7 x 0.6 | 43.6 x 15.9 | 1090 | 1622 |
| QYPH-80-4kV-3G2 | 2 | 33.5 | 0.26 | 6.6 | 0.08 | 2.1 | 1.9 x 0.7 | 47.7 x 17.3 | 1390 | 2068 |
| QYPH-80-4kV-3G1 | 1 | 42.4 | 0.29 | 7.4 | 0.08 | 2.1 | 2.0 x 0.7 | 50.1 x 18.1 | 1590 | 2366 |

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 |
| QYPH-80-5kV-3G6 | 6 | 13.3 | 0.16 | 4.1 | 0.09 | 2.3 | 1.6 x 0.6 | 41.6 x 15.2 | 910 | 1354 |
| QYPH-80-5kV-3G4 | 4 | 21.1 | 0.20 | 5.1 | 0.09 | 2.3 | 1.8 x 0.6 | 44.8 x 16.3 | 1120 | 1666 |
| QYPH-80-5kV-3G2 | 2 | 33.5 | 0.26 | 6.6 | 0.09 | 2.3 | 1.9 x 0.7 | 48.9 x 17.7 | 1420 | 2113 |
| QYPH-80-5kV-3G1 | 1 | 42.4 | 0.29 | 7.4 | 0.09 | 2.3 | 2.0 x 0.7 | 51.3 x 18.5 | 1620 | 2410 |

Other conductor size can be offered upon request.