



Flat Cables

205°F /96°C PP/NBR Flat Electrical Submersible Pump Cable

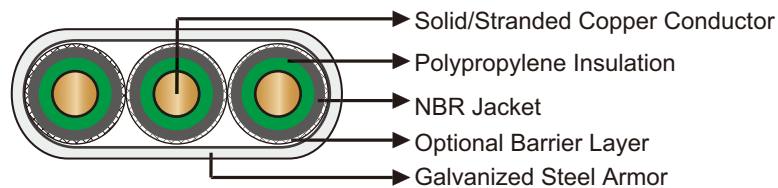
» Applications

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. 1019
API RP 11S5
API RP 11S6

» Construction



Conductor:

Solid/stranded copper conductor.

Insulation:

Polypropylene insulation.

Jacket:

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

Optional Barrier:

Tape, braid, tape and braid, or extruded barrier, used for fluid protection and hoop strength.

Aarmor:

Galvanized steel.



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» 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
QYPN-96-3kV-3G10S	-	10	0.14	3.556	0.075	1.9	1.59×0.56	40.5×14.2	840	1249
QYPN-96-3kV-3G6	6	13.3	0.162	4.115	0.075	1.9	1.68×0.59	42.8×14.9	952	1416
QYPN-96-3kV-3G16S	-	16	0.178	4.521	0.075	1.9	1.75×0.61	44.5×15.5	1040	1547
QYPN-96-3kV-3G4	4	21.1	0.204	5.182	0.075	1.9	1.86×0.65	47.2×16.4	1194	1776
QYPN-96-3kV-3G25S	-	25	0.222	5.639	0.075	1.9	1.93×0.67	49.1×17.0	1308	1947
QYPN-96-3kV-3G2	2	33.6	0.258	6.553	0.075	1.9	2.08×0.72	52.9×18.3	1557	2318
QYPN-96-3kV-3G1	1	42.4	0.289	7.341	0.075	1.9	2.21×0.76	56.1×19.4	1793	2669
QYPN-96-3kV-3G1/0	1/0	53.5	0.368	9.347	0.075	1.9	2.54×0.87	64.4×22.2	2483	3695
QYPN-96-3kV-3G2/0	2/0	67.4	0.414	10.516	0.075	1.9	2.73×0.94	69.3×23.8	2944	4381

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
QYPN-96-5kV-3G10S	-	10	0.14	3.556	0.09	2.3	1.72×0.60	43.8×15.3	927	1380
QYPN-96-5kV-3G6	6	13.3	0.162	4.115	0.09	2.3	1.81×0.63	46.1×16.0	1043	1552
QYPN-96-5kV-3G16S	-	16	0.178	4.521	0.09	2.3	1.88×0.65	47.8×16.6	1133	1686
QYPN-96-5kV-3G4	4	21.1	0.204	5.182	0.09	2.3	1.99×0.69	50.5×17.5	1291	1922
QYPN-96-5kV-3G25S	-	25	0.222	5.639	0.09	2.3	2.06×0.71	52.4×18.1	1409	2096
QYPN-96-5kV-3G2	2	33.6	0.258	6.553	0.09	2.3	2.21×0.76	56.2×19.4	1663	2475
QYPN-96-5kV-3G1	1	42.4	0.289	7.341	0.09	2.3	2.34×0.81	59.5×20.5	1904	2834
QYPN-96-5kV-3G1/0	1/0	53.5	0.368	9.347	0.09	2.3	2.67×0.92	67.8×23.3	2606	3878
QYPN-96-5kV-3G2/0	2/0	67.4	0.414	10.516	0.09	2.3	2.86×0.98	72.6×24.9	3074	4575