

# QYEQ Electric Submersible Pump Cable



## Description

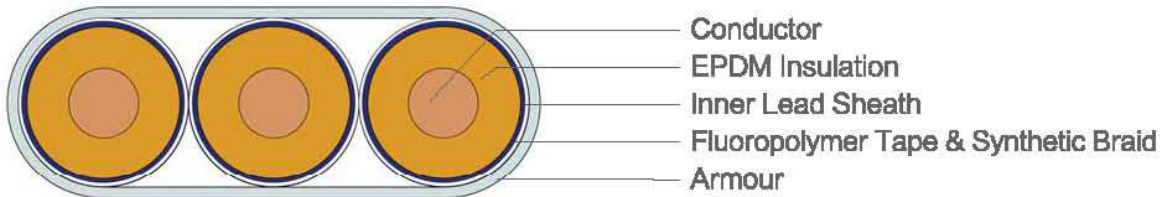
EPDM insulation, Inner lead sheath, Fluoropolymer tape applied with an overlap over the lead sheath, Synthetic braid covering completely over the lead sheath, Full galvanized steel (or stainless steel or Monel) tape armour.

## Performing Criterion

IEEE1017 . IEEE 1018 . IEEE1019 . API RP 11S5 . API RP 11S6

## Application Range

This cable is applicable for use in Electric Submersible Pump Units with rated voltage 4kV or 5kV. The permissible working temperature range is -40 °C to 232 °C, The cable has the excellent ability of oil-resistance, heat-resistance and corrosion-resistance.



## QYEQ ESP CABLE

Product Details	Type	Conductor	Insulation	Covering with Jacket	Temperature Ratings	Well Type
QYEQ	Flat	Copper	EPDM	Lead Sheath with Fluoropolymer tape and synthetic braid	-40°C to 232°C	Low-to-Moderate Gas&Vapor Concentrations Low-to-Moderate Corrosion Low-to-Moderate Temperature

### ▲ Quality Guaranteed

One year after delivery.

### ▲ Packing

Steel reels of corrugated corellon, outside wrapped by fuming wood; Packing length according to customer's requirement.



## SPECIFICATION AND PARAMETERS

Sl.No	Voltage Rating (kv)	Conductor Size		Nominal Conductor Diameter		Insulation Outside Diameter		Lead Outside Diameter		Armor Type	Nominal Cable OD		Nominal Weight (Approximate)	
		AWG	mm <sup>2</sup>	Inches	mm	Inches	mm	Inches	mm		Inches	mmxmm	lbs/1000ft	kg/km
1	4kv	-	16	0.18	4.62	0.33	8.42	0.41	10.42	Full galvanized steel Tape	0.5 x 1.4	13 x 36	1485	2211
2	4kv	AWG 4	20	0.20	5.19	0.35	8.99	0.43	10.99	Full galvanized steel Tape	0.6 x 1.5	14 x 38	1640	2442
3	4kv	AWG 2	33	0.26	6.54	0.41	10.34	0.49	12.34	Full galvanized steel Tape	0.6 x 1.7	15 x 43	2093	3116
4	4kv	AWG 1	42	0.29	7.35	0.44	11.15	0.52	13.15	Full galvanized steel Tape	0.6 x 1.8	16 x 45	2380	3544
5	5kv	-	16	0.18	4.62	0.36	9.22	0.44	11.22	Full galvanized steel Tape	0.5 x 1.5	13 x 38	1619	2410
6	5kv	AWG 4	20	0.20	5.19	0.39	9.79	0.46	11.79	Full galvanized steel Tape	0.6 x 1.6	14 x 40	1834	2730
7	5kv	AWG 2	33	0.26	6.54	0.44	11.14	0.52	13.14	Full galvanized steel Tape	0.6 x 1.8	15 x 45	2230	3320
8	5kv	AWG 1	42	0.29	7.35	0.47	11.95	0.55	13.95	Full galvanized steel Tape	0.6 x 1.9	16 x 47	2586	3850

Note: Armor material can choose stainless steel tape or monel tape, this according to customers requirement.

## AMPACITY AND VOLTAGE DROP CHART

QYEQ: Ampacity

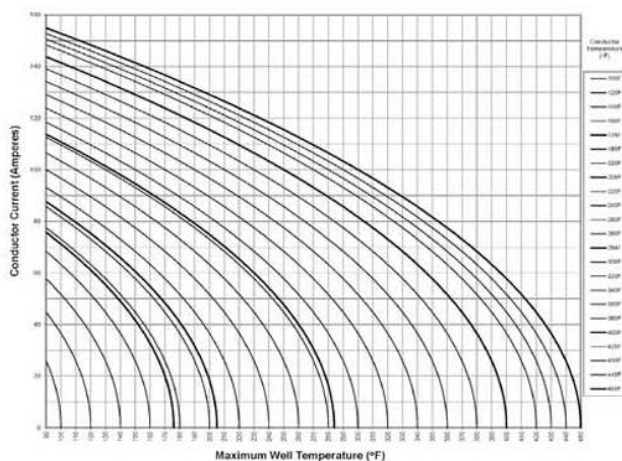
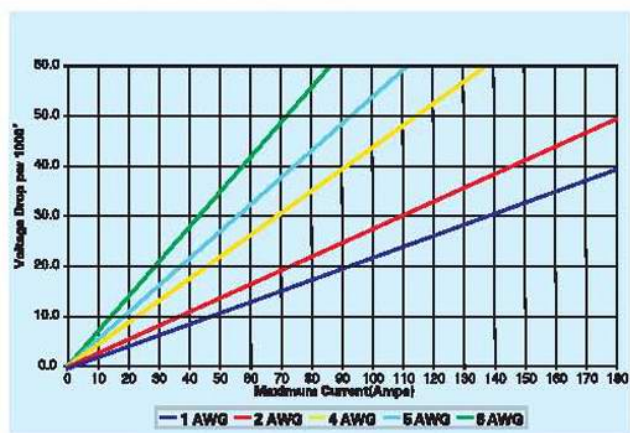


Figure B.8—#4 Awg solid flat pump cable conductor temperature chart

QYEQ: Voltage Drop per 1000' Conductor Temperature 25°(77° F)



Voltage drop based on 60Hz and 100% power factor

## QYEQEY Electric Submersible Pump Cable



### Description

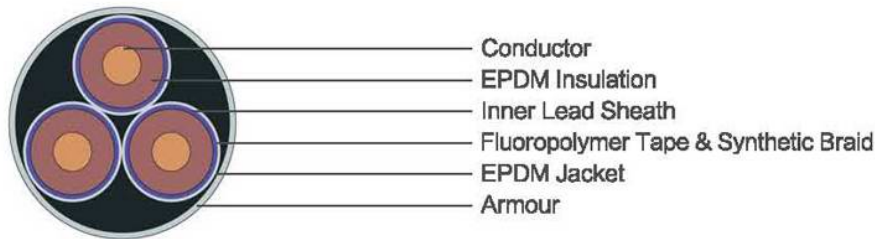
EPDM insulation, Inner lead sheath, Fluoropolymer tape and synthetic braid covered completely over the lead sheath, Outer EPDM jacket, Full galvanized steel (or stainless steel or Monel) tape armour.

### Performing Criterion

IEEE1017 . IEEE 1018 . IEEE1019 . API RP 11S5 . API RP 11S6

### Application Range

This cable is applicable for use in Electric Submersible Pump Units with rated voltage 4kV or 5kV. The permissible working temperature range is -40 °C to 232°C , The cable has the excellent ability of oil-resistance, heat-resistance and corrosion-resistance.



## QYEQEY ESP CABLE

Product Details	Type	Conductor	Insulation	Covering with Jacket	Temperature Ratings	Well Type
QYEQEY	Round	Copper	EPDM	Lead Sheath with Fluoropolymer tape and synthetic braid EPDM Jacket	-40°C to 232°C	Low-to-Moderate Gas&Vapor Concentrations Low-to-Moderate Corrosion Low-to-Moderate Temperature

### ▲ Quality Guaranteed

One year after delivery.

### ▲ Packing

Steel reels of corrugated corellon, outside wrapped by fuming wood; Packing length according to customer's requirement.



## SPECIFICATION AND PARAMETERS

Sl.No	Voltage Rating (kv)	Conductor Size		Nominal Conductor Diameter		Insulation Outside Diameter		Nominal Jacket Diameter				Armor Type	Nominal Cable OD		Nominal Weight (Approximate)	
		AWG	mm	Inches	mm	Inches	mm	Lead Outside Diameter		Jacket Outside Diameter			Inches	mm	lbs/1000ft	kg/km
								Inches	mm	Inches	mm					
1	4kv	-	16	0.18	4.62	0.33	8.42	0.41	10.42	1.08	27.5	Full galvanized steel Tape	1.26	32	1398	2082
2	4kv	AWG4	20	0.20	5.19	0.35	8.99	0.43	10.99	1.13	28.7	Full galvanized steel Tape	1.34	32	1611	2399
3	4kv	AWG2	33	0.26	6.54	0.41	10.34	0.49	12.34	1.25	31.7	Full galvanized steel Tape	1.42	36	2096	3120
4	4kv	AWG1	42	0.29	7.35	0.44	11.15	0.52	13.15	1.31	33.4	Full galvanized steel Tape	1.50	38	2223	3310
5	5kv	-	16	0.18	4.62	0.36	9.22	0.44	11.22	1.15	29.2	Full galvanized steel Tape	1.30	33	1540	2293
6	5kv	AWG4	20	0.20	5.19	0.39	9.79	0.45	11.79	1.20	30.5	Full galvanized steel Tape	1.38	35	1731	2577
7	5kv	AWG2	33	0.26	6.54	0.44	11.14	0.52	13.14	1.31	33.4	Full galvanized steel Tape	1.46	37	2133	3176
8	5kv	AWG1	42	0.29	7.35	0.47	11.95	0.55	13.95	1.38	35.1	Full galvanized steel Tape	1.54	39	2395	3566

Note: Armor material can choose stainless steel tape or monel tape, this according to customers requirement

### AMPACITY AND VOLTAGE DROP CHART

QYEQEY: Ampacity

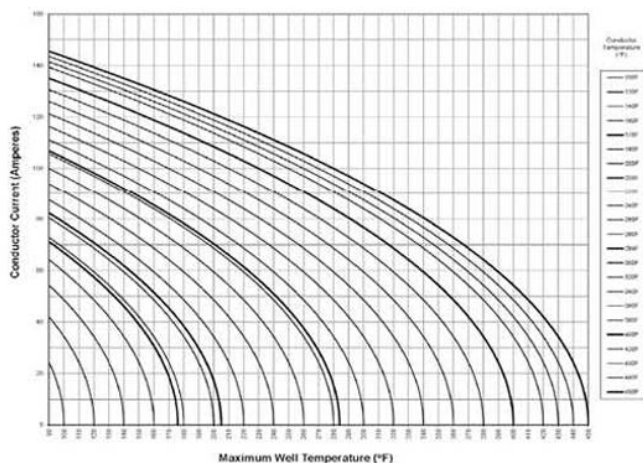
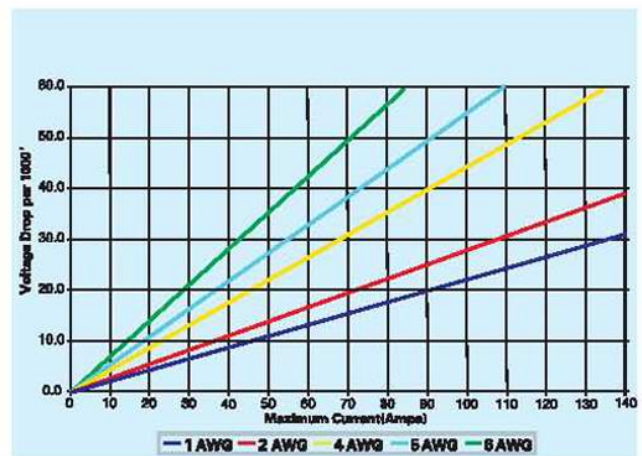


Figure B.7—#4 Awg solid round pump cable conductor temperature chart

QYEQEY: Voltage Drop per 1000' Conductor Temperature 25°C(77° F)



Voltage drop based on 60Hz and 100% power factor

## QYYEQEY Electric Submersible Pump Cable



### Description

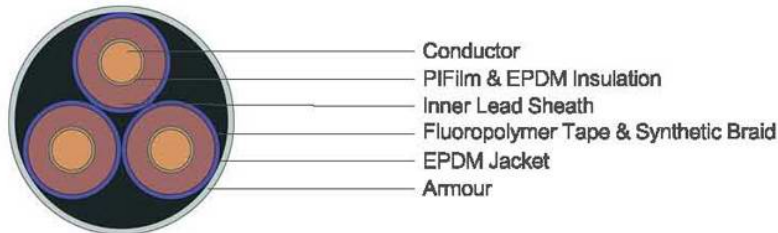
Compound insulation with polyimide film and EPDM rubber, Inner lead sheath, Fluoropolymer tape and synthetic braid covered completely over the lead sheath, Outer EPDM jacket, Full galvanized steel (or stainless steel or Monel) tape armour.

### Performing Criterion

IEEE1017 . IEEE 1018 . IEEE1019 . API RP 11S5 . API RP 11S6

### Application Range

This cable is applicable for use in Electric Submersible Pump Units with rated voltage 4kV or 5kV. The permissible working temperature range is -40 °C to 232 °C , The cable has the excellent ability of oil-resistance, heat-resistance and corrosion- resistance.



## QYYEQEY ESP CABLE

Product Details	Type	Conductor	Insulation	Covering with Jacket	Temperature Ratings	Well Type
QYYEQEY	Round	Copper	Polyimide film & EPDM	Lead Sheath with Fluoropolymer tape and synthetic braid EPDM Jacket	-40°C to 232°C	Moderate Gas & Vapor Concentrations Moderate Corrosion Moderately High Temperature

### ▲ Quality Guaranteed

One year after delivery.

### ▲ Packing

Steel reels of corrugated corellon, outside wrapped by fuming wood; Packing length according to customer's requirement.



## SPECIFICATION AND PARAMETERS

Sl.No	Voltage Rating (kv)	Conductor Size		Nominal Conductor Diameter		Insulation Outside Diameter		Nominal Jacket Diameter				Armor Type	Nominal Cable OD		Nominal Weight (Approximate)	
		AWG	mm <sup>2</sup>	Inches	mm	Inches	mm	Lead Outside Diameter		Jacket Outside Diameter			Inches	mm	lbs/1000ft	kg/km
								Inches	mm	Inches	mm					
1	4kv	-	16	0.18	4.62	0.34	8.52	0.41	10.52	1.09	27.7	Full galvanized steel Tape	1.26	32	1552	2310
2	4kv	AWG4	20	0.20	5.19	0.36	9.09	0.44	11.09	1.14	29.0	Full galvanized steel Tape	1.34	34	1799	2678
3	4kv	AWG2	33	0.26	6.54	0.41	10.44	0.49	12.44	1.26	31.9	Full galvanized steel Tape	1.42	36	2052	3055
4	4kv	AWG1	42	0.29	7.35	0.44	11.25	0.52	13.25	1.32	33.6	Full galvanized steel Tape	1.50	38	2391	3560
5	5kv	-	16	0.18	4.62	0.37	9.32	0.45	11.32	1.16	39.5	Full galvanized steel Tape	1.34	34	1673	2491
6	5kv	AWG4	20	0.20	5.19	0.39	9.89	0.47	11.89	1.21	30.7	Full galvanized steel Tape	1.42	36	2016	3002
7	5kv	AWG2	33	0.26	6.54	0.44	11.24	0.52	13.24	1.32	33.6	Full galvanized steel Tape	1.50	38	2223	3310
8	5kv	AWG1	42	0.29	7.35	0.47	12.05	0.55	14.05	1.39	35.3	Full galvanized steel Tape	1.57	40	2529	3766

Note: Armor material can choose stainless steel tape or monel tape, this according to customers requirement.

### AMPACITY AND VOLTAGE DROP CHART

QYYEQEY: Ampacity

QYYEQEY: Voltage Drop per 1000' Conductor  
Temperature 25°C(77° F)

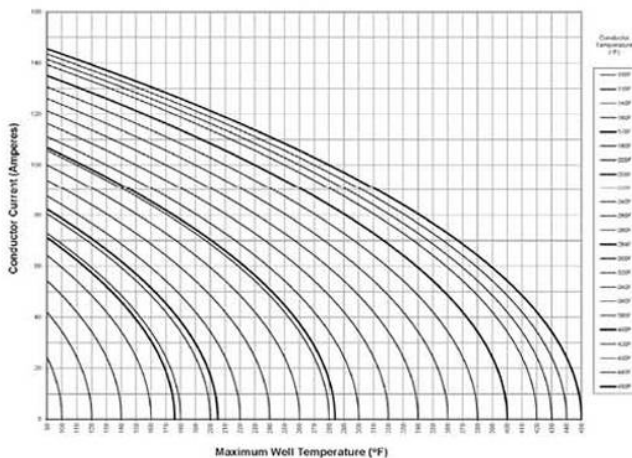
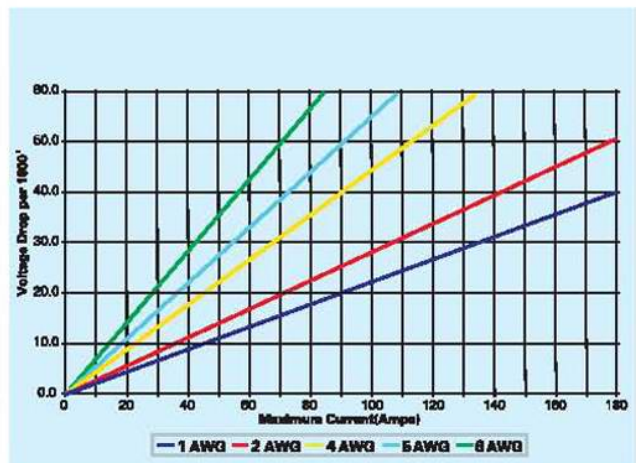


Figure B.7—#4 Awg solid round pump cable conductor temperature chart



Voltage drop based on 60Hz and 100% power factor

## QYYEQ Electric Submersible Pump Cable



### Description

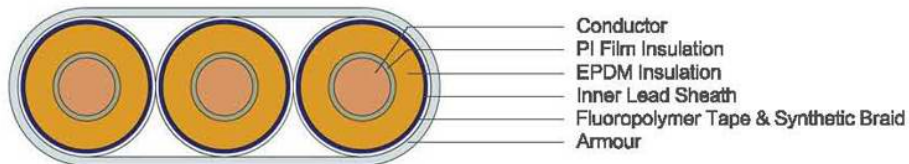
Compound insulation with polyimide film and EPDM rubber, Inner lead sheath, Fluoropolymer tape and synthetic braid covered completely over the lead sheath, Full galvanized steel (or stainless steel or Monel) tape armour.

### Performing Criterion

IEEE1017 . IEEE 1018 . IEEE1019 . API RP 11S5 . API RP 11S6

### Application Range

This cable is applicable for use in Electric Submersible Pump Units with rated voltage 4kV or 5kV. The permissible working temperature range is -40°C to 232°C. The cable has the excellent ability of oil-resistance, heat-resistance and corrosion-resistance.



## QYYEQ ESP CABLE

Product Details	Type	Conductor	Insulation	Covering with Jacket	Temperature Ratings	Well Type
QYYEQ	Flat	Copper	Polyimide film & EPDM	Lead Sheath with Fluoropolymer tape and synthetic braid	-40°C to 232°C	Significant Gas & Vapor Concentrations Significant Corrosion High Temperature

### ▲ Quality Guaranteed

One year after delivery.

### ▲ Packing

Steel reels of corrugated corellon, outside wrapped by fuming wood; Packing length according to customer's requirement.



## SPECIFICATION AND PARAMETERS

Sl.No	Voltage Rating (kv)	Conductor Size		Nominal Conductor Diameter		Insulation Outside Diameter		Lead Outside Diameter		Armor Type	Nominal Cable OD		Nominal Weight (Approximate)	
		AWG	mm <sup>2</sup>	Inches	mm	Inches	mm	Inches	mm		Inches	mmxmm	lbs/1000ft	kg/m
1	4kv	-	16	0.18	4.62	0.33	8.42	0.41	10.42	Full galvanized steel Tape	0.5 x 1.4	13 x 36	1498	2230
2	4kv	AWG 4	20	0.20	5.19	0.35	8.99	0.43	10.99	Full galvanized steel Tape	0.6 x 1.5	14 x 38	1655	2464
3	4kv	AWG 2	33	0.26	6.54	0.41	10.34	0.49	12.34	Full galvanized steel Tape	0.6 x 1.7	15 x 43	2111	3143
4	4kv	AWG 1	42	0.29	7.35	0.44	11.15	0.52	13.15	Full galvanized steel Tape	0.6 x 1.8	16 x 45	2401	3575
5	5kv	-	16	0.18	4.62	0.36	9.22	0.44	11.22	Full galvanized steel Tape	0.5 x 1.5	13 x 38	1632	2430
6	5kv	AWG 4	20	0.20	5.19	0.39	9.79	0.46	11.79	Full galvanized steel Tape	0.6 x 1.6	14 x 40	1848	2752
7	5kv	AWG 2	33	0.26	6.54	0.44	11.14	0.52	13.14	Full galvanized steel Tape	0.6 x 1.8	15 x 45	2249	3348
8	5kv	AWG 1	42	0.29	7.35	0.47	11.95	0.55	13.95	Full galvanized steel Tape	0.6 x 1.9	16 x 47	2607	3881

Note: Armor material can choose stainless steel tape or monel tape, this according to customers requirement.

## AMPACITY AND VOLTAGE DROP CHART

QYYEQ: Ampacity

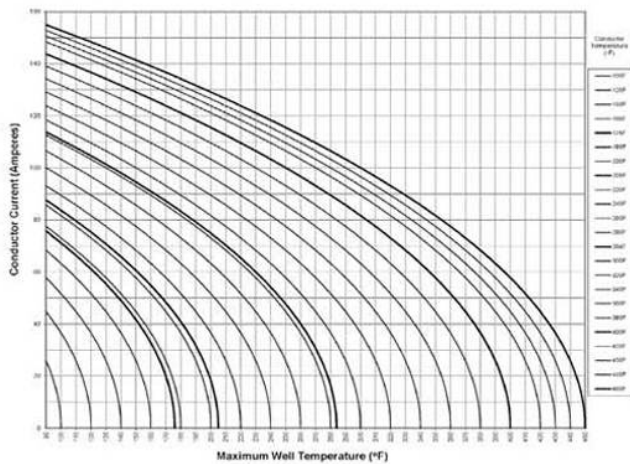
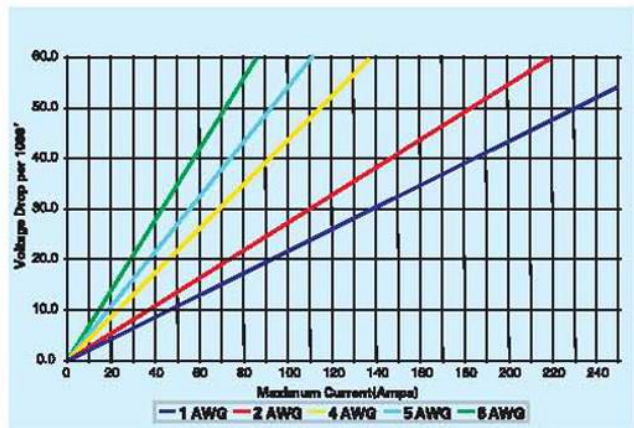


Figure B.8—#4 Awg solid flat pump cable conductor temperature chart

QYYEQ: Voltage Drop per 1000' Conductor Temperature 25°(77° F)



Voltage drop based on 60Hz and 100% power factor

## QYPNY Electrical Submersible Pump Cable



### Description

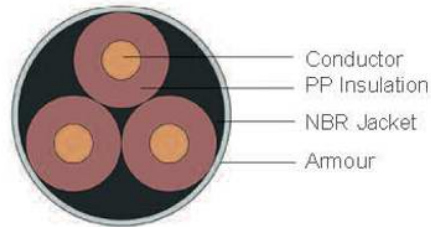
Polypropylene (PP) insulation, Nitrile rubber (NBR), Full galvanized steel (or stainless steel or Monel) tape armor.

### Performing Criterion

GB/T16750, IEEE1017, IEEE1018, IEEE1019, API RP 11S5, API RP 11S6

### Application Range

This cable is applicable for use in Electrical Submersible Pump Units with rated voltage less than 3kV or 6kV. The permissible working temperature range is -40°C to 90°C, The cable has the excellent ability of oil-resistance and corrosionresistance.



## QYPNY ESP Cable

Product Details	Type	Conductor	Insulation	Covering with Jacket	Temperature Ratings	Well Type
QYPNY	Round	Copper	PP	NBR Jacket	-40°C to 90°C	Low Gas & Vapor Concentrations Cold Temperature

### Quality Guaranteed

One year after delivery.

### Packing

Steel reels of corrugated corellon, outside wrapped by fuming wood; Packing length according to customer's requirement.



## SPECIFICATION AND PARAMETERS

Sl.NO	Voltage Rating	Conductor Size		Nominal Conductor Diameter		Nominal Insulation Diameter		Nominal Jacket Diameter		Armor Type	Nominal Cable OD		Nominal Weight (Approximate)	
		(kv)	mm <sup>2</sup>	inches	mm	inches	mm	inches	mm		inches	mm × mm	lbs/1000ft	kg/km
1	3 kv	5	16	0.18	4.62	0.33	8.42	0.87	22.1	Full galvanized steel Tape	1.06	27	928	1381
2	3 kv	4	20	0.20	5.19	0.35	8.99	0.92v	23.4	Full galvanized steel Tape	1.10	28	1044	1555
3	3 kv	2	33	0.26	6.54	0.41	10.34	1.04	26.3	Full galvanized steel Tape	1.26	32	1384	2060
4	3 kv	1	42	0.29	7.35	0.44	11.15	1.10	28.0	Full galvanized steel Tape	1.34	34	1600	2382
5	6 kv	5	16	0.18	4.62	0.36	9.22	0.94	23.9	Full galvanized steel Tape	1.14	29	994	1480
6	6 kv	4	20	0.20	5.19	0.39	9.79	0.99	25.1	Full galvanized steel Tape	1.22	31	1108	1650
7	6 kv	2	33	0.26	6.54	0.44	11.14	1.10	28.0	Full galvanized steel Tape	1.34	34	1457	2170
8	6 kv	1	42	0.29	7.35	0.47	11.95	1.18	30.0	Full galvanized steel Tape	1.46	37	1679	2500

Note: Armor material can choose stainless steel tape or monel tape, which is according to customer's requirement.

### AMPACITY AND VOLTAGE DROP CHART

QYPNY: Ampacity

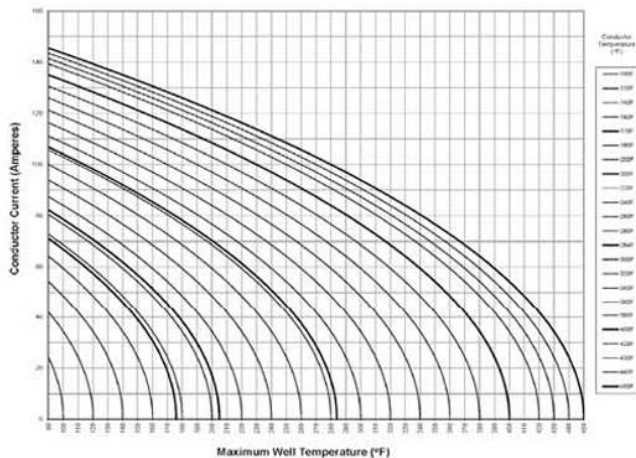
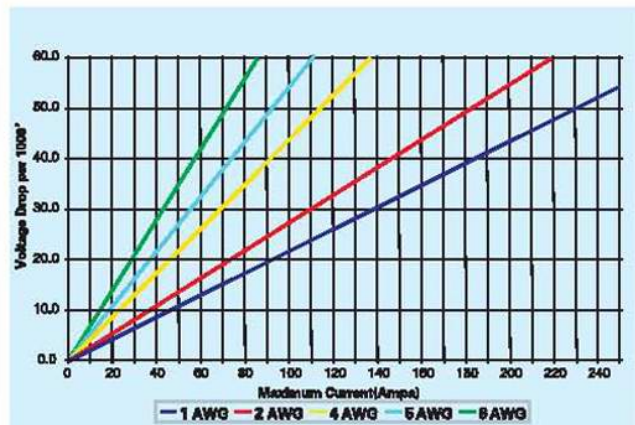


Figure B.7—#4 Awg solid round pump cable conductor temperature chart

QYPNY: Voltage Drop per 1000' Conductor Temperature 25°(77° F)



Voltage drop based on 60Hz and 100% power factor