Brief introduction of ESP cable

Submersible pump cable is used for the power cable of ESP units which is installed on land or offshore oil Wells.

The product manufactured by us has the characteristics of advanced technology, reliable quality. The main manufacturing equipment is included the ROYLE Φ90 plastic extruder, the rubber continuous vulcanizing process, the interlocked armoring machine made by CEECO, Canada, the continuous sintering process imported from GRILLER, Austria, the Nokia cross-linked cable process, the advanced continuous annealing process and tinned process, etc. Now, the cable and coil end lead wire for submersible oil pump or pump unit can be produced, with different types and specifications, the cross-section of conductor is 42mm2 and below. The well temperature is from 50℃ to 180℃, the max. Continuous working temperature of conductor is 204℃. The insulation material that can be used is as below: PP, EPR, polyimide-F46, fluoroplastics, XLPE, etc. The material of inner jacket includes NBR, compound of the neoprene and PVC, EPR, fluoroplastics, lea, etc. The outer sheath material is as the galvanized steel tape, stainless steel tape, etc. All kinds of cables for submersible oil pump can be developed according to the customer’s requirements

Performance parameters of cable

Conductor diameter and DC resistance range

English unit

Conductor diameter inch				Conductor resistance Ω/kft (77F)			
				flat		round	
AWG	MIN	NOM	MAX	TIN	BARE	TIN	BARE
				MAX	MAX	MAX	MAX
8S0L	0. 1272	0. 1285	0. 1298	0. 672	0. 653	0. 685	0. 666
6S0L	0. 1604	0. 1620	0. 1636	0. 422	0. 411	0. 43	0. 419
5S0L	0. 1801	0. 1819	0. 1837	0. 336	0. 325	0. 343	0. 332
4S0L	0. 2023	0. 2043	0. 2063	0. 266	0. 258	0. 271	0. 263
2S0L	0. 2550	0. 2576	0. 2602	0. 167	0. 162	0. 17	0. 165
1S0L	0. 2864	0. 2893	0. 2922	0. 133	0. 129	0. 136	0. 132

Conductor diameter and DC resistance range

metric unit

Conductor diameter mm				Conductor resistance Ω/km (25℃)			
				flat		round	
AWG	MIN	AWG	MIN	AWG	MIN	AWG	MIN
				MAX	MAX	MAX	MAX
8S0L	3. 23	3. 26	3. 30	2. 205	2. 142	2. 247	2. 185
6S0L	4. 07	4. 11	4. 16	1. 385	1. 348	1. 411	1. 375
5S0L	4. 57	4. 62	4. 67	1. 102	1. 066	1. 125	1. 089
4S0L	5. 14	5. 19	5. 24	0. 873	0. 846	0. 889	0. 863
2S0L	6. 48	6. 54	6. 61	0. 548	0. 531	0. 558	0. 541
1S0L	7. 27	7. 35	7. 42	0. 436	0. 423	0. 446	0. 433

PP insulation resistance and leakage current

English unit

60F

conductor specification and structure AWG	conductor diameter mils	insulation thickness 75 Mils		insulation thickness 90 Mils	
		Insulation resistance ≥ MΩ·kft	leakage current ≤ μA/kV/kft	Insulation resistance ≥ MΩ·kft	leakage current ≤ μA/kV/kft
6-1	162	13235	0.08	15051	0.07
4-1	204	11092	0.09	12693	0.08
4-7	232	10018	0.10	11500	0.08
2-1	258	9194	0.11	10581	0.09
2-7	292	8303	0.12	9584	0.10
1-1	289	8375	0.12	9664	0.10
1-7	328	7532	0.13	8716	0.11

PP insulation resistance and leakage current

metric unit

15.6℃

conductor specification and structure AWG	conductor diameter mm	(insulation thickness)1.9mm		(insulation thickness)2.3mm	
		Insulation resistance ≥ MΩ·km	leakage current ≤ μA/kV/km	Insulation resistance ≥ MΩ·km	leakage current ≤ μA/kV/km
6-1	4.11	4034	0.26	4588	0.23
4-1	5.18	3381	0.30	3869	0.26
4-7	5.89	3053	0.33	3505	0.26
2-1	6.54	2802	0.36	3225	0.30
2-7	7.42	2531	0.39	2921	0.33
1-1	7.34	2553	0.39	2946	0.33
1-7	8.33	2296	0.43	2657	0.36

EPDM insulation resistance and leakage current

English unit

60F

Conductor specification and structure AWG	Conductor diameter mils	Insulation thickness 75 Mils		Insulation thickness 90 Mils	
		Insulation resistance ≥ MΩ·kft	Leakage current ≤ μA/kV/kft	Insulation resistance ≥ MΩ·kft	Leakage current ≤ μA/kV/kft
6-1	162	5294	0.19	6021	0.17
4-1	204	4437	0.23	5077	0.20
4-7	232	4007	0.25	4600	0.22
2-1	258	3678	0.27	4233	0.24
2-7	292	3321	0.30	3833	0.26
1-1	289	3350	0.30	3866	0.26
1-7	328	3013	0.34	3486	0.29

EPDM insulation resistance and leakage current

Metric unit

15.6℃

Conductor specification and structure AWG	Conductor diameter mm	Insulation thickness 1.9mm		Insulation thickness 2.3mm	
		Insulation resistance ≥ MΩ·km	Leakage current ≤ μA/kV/km	Insulation resistance ≥ MΩ·km	Leakage current ≤ μA/kV/km
6-1	4.11	1614	0.62	1835	0.56
4-1	5.18	1352	0.75	1547	0.66
4-7	5.89	1221	0.82	1402	0.72
2-1	6.54	1121	0.89	1290	0.79
2-7	7.42	1012	0.98	1168	0.85
1-1	7.34	1021	0.98	1178	0.85
1-7	8.33	918	1.12	1063	0.95

Test voltage of the finished product before leaving factory

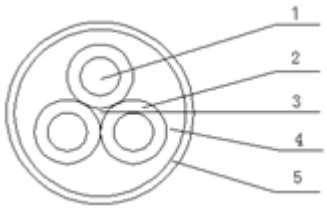
Rated voltage kV	DC voltage test kV/min	alternating voltage test kV/min
3	27/5	9/1
4	31/5	11/1
5	35/5	13/1

PP insulated and NBR sheathed, galvanized steel strip armoring, round cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 96℃ (205 F)

2.Execution standard：API RP11S6、IEEE1019

3. Structural drawing



1.Conductor、2. PP insulation、3.Filler、
4.NBR sheath、5.Steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	conductor specification			PP insulation		NBR sheath		finished size ≤ mm	calculated weight kg/km
	AWG	area mm^2	outer diameter mm	thickness mm	outer diameter mm	thickness mm	outer diameter mm		
6PP3NBRGR	6	13	4.12	1.9	7.92	1.52	20.26	25.80	1.26
4PP3NBRGR	4	20	5.19	1.9	8.99	1.52	22.56	28.10	1.43
2PP3NBRGR	2	33	6.54	1.9	10.34	1.52	25.47	31.00	2.0
1PP3NBRGR	1	42	7.35	1.9	11.15	1.52	27.22	32.70	2.4

voltage：5kv

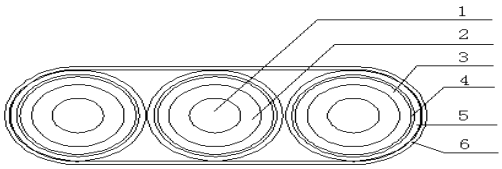
Type	conductor specification			PP insulation		NBR sheath		finished size mm	calculated weight kg/km kg/km
	AWG	area mm^2	outer diameter mm	thickness mm	outer diameter mm	thickness mm	outer diameter mm		
6PP5NBRGR	6	13	4.12	2.3	8.72	1.52	21.98	27.90	1.40
4PP5NBRGR	4	20	5.19	2.3	9.79	1.52	24.29	30.20	1.74
2PP5NBRGR	2	33	6.54	2.3	11.14	1.52	27.20	33.10	2.23
1PP5NBRGR	1	42	7.35	2.3	11.95	1.52	28.94	34.90	2.58

PP insulated and NBR sheathed, galvanized steel strip armoring, round cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 96 ℃ (205 F)

2.Execution standard：API RP11S6、IEEE1019

3. Structural drawing



1.Conductor、2.PP insulation、3.NBR sheath、4.F4 film、

5.Nylon fabric、6.Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	conductor specification			PP insulation		NBR sheath		finished size ≤		calculated weight kg/km
	AWG	area mm^2	outer diameter mm	thickness mm	outer diameter mm	thickness mm	outer diameter mm	thickness mm	width mm	
6PP3NBRGF	6	13	4.12	1.9	7.92	1.3	10.52	14.16	36.00	1.3
4PP3NBRGF	4	20	5.19	1.9	8.99	1.3	11.59	15.23	39.20	1.6
2PP3NBRGF	2	33	6.54	1.9	10.34	1.3	12.94	16.58	43.24	2.1
1PP3NBRGF	1	42	7.35	1.9	11.15	1.3	13.75	17.40	45.67	2.4

Voltage：5kv

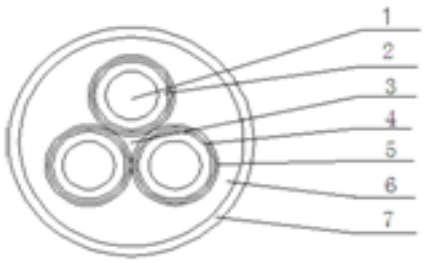
Type	conductor specification			PP insulation		NBR sheath		Finished size ≤		calculated weight kg/km
	AWG	area mm^2	outer diameter mm	thickness mm	outer diameter mm	thickness mm	outer diameter mm	thickness mm	width mm	
6PP5NBRGF	6	13	4.12	2.3	8.72	1.3	11.32	15.20	38.40	1.37
4PP5NBRGF	4	20	5.19	2.3	9.79	1.3	12.39	16.20	41.60	1.68
2PP5NBRGF	2	33	6.54	2.3	11.14	1.3	13.74	17.60	45.70	2.14
1PP5NBRGF	1	42	7.35	2.3	11.95	1.3	14.55	18.40	48.10	2.45

EPDM insulated and NBR sheathed, galvanized steel strip armoring, round cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 140℃ (285 F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1. Conductor 2.EPDM 3.Filler 4.F4 film
5. Nylon fabric 6.NBR 7. Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		NBR sheath		Finished size ≤ mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP3NBRGR	6	13	4.12	1.9	7.92	1.52	21.35	27.25	1.3
4EP3NBRGR	4	20	5.19	1.9	8.99	1.52	23.65	19.56	1.6
2EP3NBRGR	2	33	6.54	1.9	10.34	1.52	26.56	32.50	2.1
1EP3NBRGR	1	42	7.35	1.9	11.15	1.52	28.30	34.21	2.4

Voltage：5kv

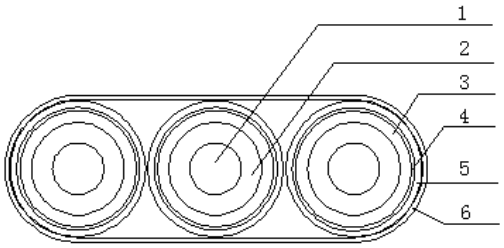
Type	Conductor specification			EPDM insulation		NBR sheath		Finished size ≤ mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP5NBRGR	6	13	4.12	2.3	8.72	1.52	23.20	29.10	1.60
4EP5NBRGR	4	20	5.19	2.3	9.79	1.52	25.50	26.50	1.95
2EP5NBRGR	2	33	6.54	2.3	11.14	1.52	28.40	29.40	2.48
1EP5NBRGR	1	42	7.35	2.3	11.95	1.52	30.10	31.10	2.83

EPDM insulated and NBR sheathed, galvanized steel strip armoring, cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 140℃ (285 F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1. Conductor 2.EPDM 3.NBR 4.F4 film 6. Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		NBR sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP3NBRGF	6	13	4.12	1.9	7.92	1.3	10.52	14.36	36.00	1.17
4EP3NBRGF	4	20	5.19	1.9	8.99	1.3	11.59	15.43	39.20	1.47
2EP3NBRGF	2	33	6.54	1.9	10.34	1.3	12.94	16.80	43.24	1.92
1EP3NBRGF	1	42	7.35	1.9	11.15	1.3	13.75	17.60	45.70	2.22

Voltage：5kv

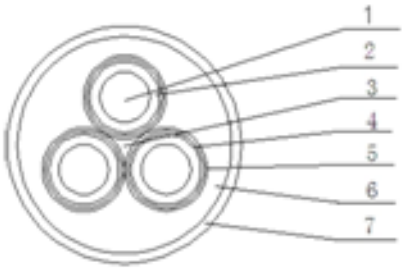
Type	Conductor specification			EPDM insulation		NBR sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP5NBRGF	6	13	4.12	2.3	8.72	1.3	11.32	15.16	38.38	1.37
4EP5NBRGF	4	20	5.19	2.3	9.79	1.3	12.39	16.23	41.60	1.56
2EP5NBRGF	2	33	6.54	2.3	11.14	1.3	13.74	17.58	45.64	2.06
1EP5NBRGF	1	42	7.35	2.3	11.95	1.3	14.55	18.39	48.10	2.33

EPR insulated and sheathed, galvanized steel tape armoring, round cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 204℃ (400F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1. Conductor 2.EPDM 3. Filler 4.F4 film
5. Nylon fabric 6. EPDM 7.Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		EPDM sheath		Finished size ≤ mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP3EPGR	6	13	4.12	1.9	7.92	1.52	21.35	27.25	1.3
4EP3EPGR	4	20	5.19	1.9	8.99	1.52	23.65	29.56	1.6
2EP3EPGR	2	33	6.54	1.9	10.34	1.52	26.56	32.50	2.1
1EP3EPGR	1	42	7.35	1.9	11.15	1.52	28.30	34.21	2.4

Voltage：5kv

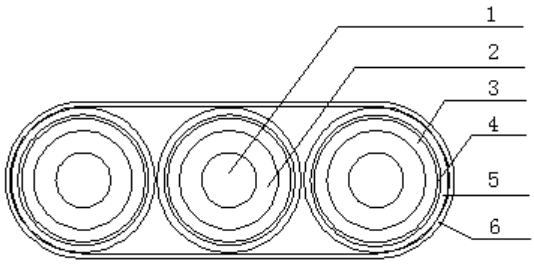
Type	Conductor specification			EPDM insulation		EPDM sheath		Finished size mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP5EPGR	6	13	4.12	2.3	8.72	1.52	23.20	29.10	1.60
4EP5EPGR	4	20	5.19	2.3	9.79	1.52	25.50	26.50	1.95
2EP5EPGR	2	33	6.54	2.3	11.14	1.52	28.40	29.40	2.48
1EP5EPGR	1	42	7.35	2.3	11.95	1.52	30.10	31.10	2.83

EPDM insulated and sheathed, galvanized steel tape armoring, cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 204℃ (400F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1. Conductor 2.EPDM 3.EPDM 4.F4 film 5. Nylon fabric 6. Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		EPDM sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP3EPGF	6	13	4.12	1.9	7.92	1.3	10.52	14.36	36.00	1.17
4EP3EPGF	4	20	5.19	1.9	8.99	1.3	11.59	15.43	39.20	1.47
2EP3EPGF	2	33	6.54	1.9	10.34	1.3	12.94	16.80	43.24	1.92
1EP3EPGF	1	42	7.35	1.9	11.15	1.3	13.75	17.60	45.70	2.22

Voltage：5kv

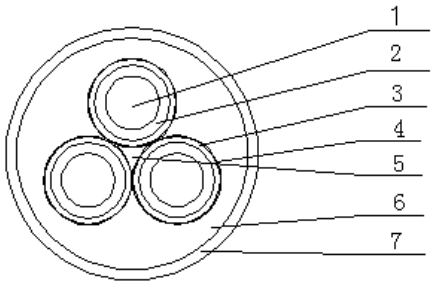
Type	Conductor specification			EPDM insulation		EPDM sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP5EPGF	6	13	4.12	2.3	8.72	1.3	11.32	15.16	38.38	1.37
4EP5EPGF	4	20	5.19	2.3	9.79	1.3	12.39	16.23	41.60	1.56
2EP5EPGF	2	33	6.54	2.3	11.14	1.3	13.74	17.58	45.64	2.06
1EP5EPGF	1	42	7.35	2.3	11.95	1.3	14.55	18.39	48.10	2.33

EPDM insulated and Lead/EPDM sheathed, galvanized steel strip armoring, round cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃ (450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1. Conductor 2.EPDM 3. Lead 4. Nylon fabric
5. Filler 6. EPDM 7. Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		LEAD sheath		EPDM shealth		Finished size ≤ mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP3LDEPGR	6	13	4.12	1.7	7.92	0.75	9.12	1.52	23.71	28.61	2.03
4EP3LDEPGR	4	20	5.19	1.7	8.99	0.75	10.19	1.52	26.01	30.92	2.44
2EP3LDEPGR	2	33	6.54	1.7	10.34	0.75	11.54	1.52	28.92	33.82	3.02
1EP3LDEPGR	1	42	7.35	1.7	11.15	0.75	12.35	1.52	30.66	35.57	3.40

Voltage：5kv

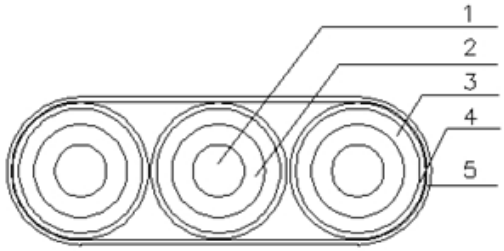
Type	Conductor specification			EPDM insulation		LEAD sheath		EPDM sheath		Finished size ≤ mm	calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm		
6EP5LDEPGR	6	13	4.12	1.9	7.92	0.75	9.52	1.52	24.57	30.50	2.12
4EP5LDEPGR	4	20	5.19	1.9	8.99	0.75	10.59	1.52	26.87	32.78	2.59
2EP5LDEPGR	2	33	6.54	1.9	10.34	0.75	11.94	1.52	29.78	35.70	3.11
1EP5LDEPGR	1	42	7.35	1.9	11.15	0.75	12.75	1.52	31.53	37.43	3.50

EPDM insulated and Lead sheathed, galvanized steel strip armoring, cable for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃ (450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1.Conductor 2.EPDM 3. Lead 4. Glass fiber cloth 5. Galvanized steel strip

4. Cable structure/Size/weight

Voltage：3kv

Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP3LDGF	6	13	4.12	1.7	7.52	0.76	9.12	13.14	32.72	1.7
4EP3LDGF	4	20	5.19	1.7	8.59	0.76	10.19	14.21	35.93	2.1
2EP3LDGF	2	33	6.54	1.7	9.94	0.76	11.54	15.56	40.00	2.6
1EP3LDGF	1	42	7.35	1.7	10.75	0.76	12.35	16.37	42.41	3.0

Voltage：5kv

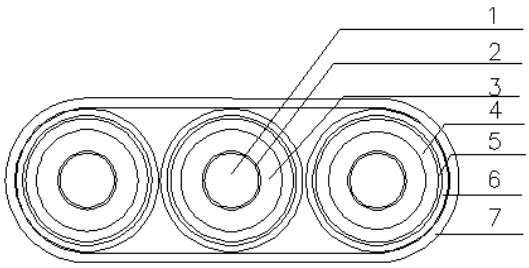
Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
6EP5LDGF	6	13	4.12	1.9	7.92	0.76	9.52	12.54	34.00	1.85
4EP5LDGF	4	20	5.19	1.9	8.99	0.76	10.59	14.61	37.13	2.23
2EP5LDGF	2	33	6.54	1.9	10.34	0.76	11.94	15.96	41.00	2.77
1EP5LDGF	1	42	7.35	1.9	11.15	0.76	14.75	16.80	43.60	3.14

Polyimide- EPDM/lead sheathed, MONEL steel strip armoring, lead wire for submersible oil pump

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃ (450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



1.Conductor 2.Polyimide 3.EPDM 4.LEAD 5.F4 film 6.Ppolyamide yarns 7.Monel

4. Cable structure/Size/weight

Voltage：4kv

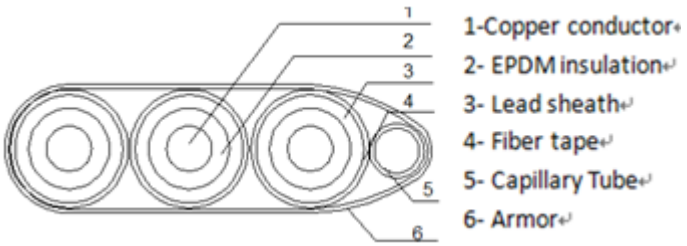
Type	Conductor specification			EPDM insulation Outer diameter mm	LEAD sheath Outer diameter mm	Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm			Thickness mm	Width mm	
8KK4EPLDMF	8	8	3.26	5.10	6.27	8.61	21.82	0.92
7KK4EPLDMF	7	10	3.66	5.47	6.67	9.01	23.02	1.02
6KK4EPLDMF	6	13	4.12	5.93	7.13	9.47	24.40	1.15
5KK4EPLDMF	5	16	4.62	7.63	9.03	11.37	30.10	1.57
4KK4EPLDMF	4	20	5.19	8.20	9.60	11.94	31.81	1.76
3KK4EPLDMF	2	33	6.54	8.35	9.75	12.09	32.26	2.06

EPDM insulated and Lead sheathed, galvanized steel armor, With 3/8CT ESP Cable (Flat)

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃(450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



4. Cable structure/Size/weight

Voltage：5kv

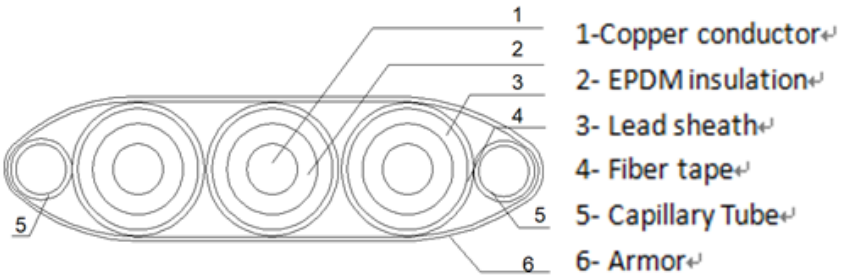
Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
4EP5LDGF+1CT	4	20	5.19	1.9	8.99	1.0	10.99	15.30	48.50	2.65
2EP5LDGF+1CT	2	33	6.54	1.9	10.34	1.0	12.34	16.60	52.50	3.20
1EP5LDGF+1CT	1	42	7.35	1.9	11.15	1.0	13.15	17.40	55.00	3.56

EPDM insulated and Lead sheathed, galvanized steel armor,
With 2×3/8CT ESP Cable (Flat)

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃(450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



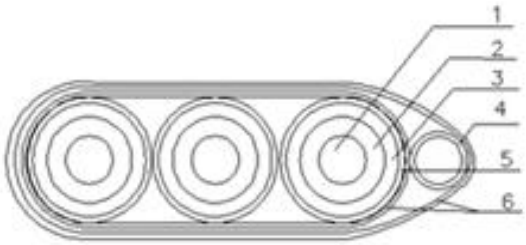
4. Cable structure/Size/weight

Voltage：5kv

Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
4EP5LDGF+2CT	4	20	5.19	1.9	8.99	1.0	10.99	15.30	58.00	3.01
2EP5LDGF+2CT	2	33	6.54	1.9	10.34	1.0	12.34	16.60	62.00	3.55
1EP5LDGF+2CT	1	42	7.35	1.9	11.15	1.0	13.15	17.40	64.50	3.92

EPDM insulated and Lead sheathed, double galvanized steel armor, With 3/8CT ESP Cable (Flat)

1. Product description: this product is mainly used to provide power for ESP



1-Copper conductor
2-EPDM insulation
3-Lead sheath
4-Capillary Tube
5-Fiber tape
6-Armor

Cable conductor continuous working temperature is not more than 232℃(450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing

4. Cable structure/Size/weight

Voltage：5kv

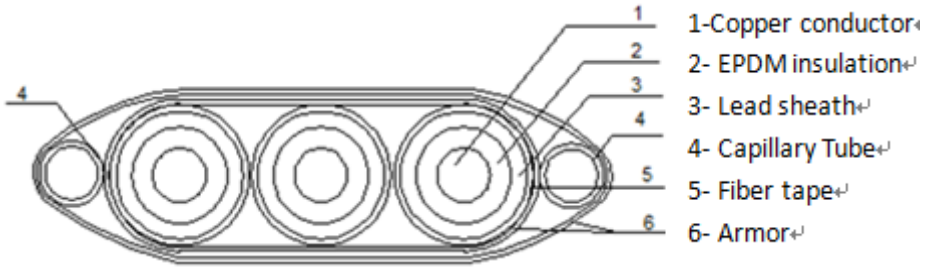
Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
4EP5LDGGF +1CT	4	20	5.19	1.9	8.99	1.0	10.99	17.70	51.00	3.24
2EP5LDGGF +1CT	2	33	6.54	1.9	10.34	1.0	12.34	18.40	56.00	4.05
1EP5LDGGF +1CT	1	42	7.35	1.9	11.15	1.0	13.15	20.20	58.30	4.45

EPDM insulated and Lead sheathed, double galvanized steel armor,
With 2×3/8CT ESP Cable (Flat)

1. Product description: this product is mainly used to provide power for ESP Cable conductor continuous working temperature is not more than 232℃(450F)

2.Execution standard：API RP11S6、IEEE1018

3. Structural drawing



4. Cable structure/Size/weight

Voltage：5kv

Type	Conductor specification			EPDM insulation		LEAD sheath		Finished size ≤		calculated weight kg/km
	AWG	Area mm^2	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Outer diameter mm	Thickness mm	Width mm	
4EP5LDGGF +2CT	4	20	5.19	1.9	8.99	1.0	10.99	17.70	51.00	3.24
2EP5LDGGF +2CT	2	33	6.54	1.9	10.34	1.0	12.34	18.40	56.00	4.05
1EP5LDGGF +2CT	1	42	7.35	1.9	11.15	1.0	13.15	20.20	58.30	4.45