

# PRICE LIST

## HIGH VOLTAGE / LOW VOLTAGE POWER & CONTROL CABLES



May 4<sup>th</sup> 2018



**RPG CABLES**  
(A Division of KEC International Limited)

## LOW VOLTAGE ALUMINIUM CABLES

Power Cables, with Solid Aluminum conductor upto 10 sqmm and balance stranded conductor, XLPE Insulated, cores laid up, PVC tape innersheathed, Unarmoured/Armoured (Aluminium wire for single core cables upto 70 sqmm balance Aluminum strip, Galvanised wire for cables upto 2x10 sqmm,3x10 sqmm, 4x6 sqmm, 4x10 sqmm balance all galvanised steel strip), extruded PVC Type ST2 sheathed, 650/ 1100 V grade as per IS 7098 (Part 1) 1988

Rs. / Mtr.										
CORES (UNARMoured)						CORES (ARMoured)				
AREA IN SQ.MM.	1	2	3	3.5	4	1	2	3	3.5	4
	A2XY					A2XWY/A2XFY				
4		54	58		65		83	91		105
6		61	69		82		97	106		120
10		72	89		108		115	134		154
16	42	89	114		140	75	135	143		171
25	55	114	156	178	190	91	139	181	203	220
35	68	144	199	227	252	110	171	229	257	286
50	89	185	261	301	331	133	213	289	334	369
70	118	248	361	415	461	170	285	389	454	500
95	161	333	446	516	578	192	366	483	548	610
120	201	398	551	648	720	230	435	578	685	747
150	244	483	683	782	894	273	526	713	811	920
185	300	604	849	984	1110	334	655	871	1012	1143
240	376	802	1086	1253	1422	410	852	1114	1273	1459
300	461	990	1335	1540	1739	499	1038	1346	1561	1758
400	605	1269	1677	1943	2194	627	1307	1711	1987	2234
500	720	1596	2185	2525	2849	858	1730	2318	2701	3032
630	859	2012	2895	3424	3844	1002	2177	3073	3670	4102
800	1203					1381				
1000	1415					1593				

## EXTRA FOR SPECIAL CONSTRUCTION (POWER CABLES)

- Round Wire Armouring
  - 1C X 95 Sqmm & above 25%
  - 2C X 16 Sqmm & above 25%
  - 3C X 16 Sqmm & above 25%
  - 3.5C X 25 Sqmm & above 25%
  - 4C X 16 Sqmm & above 25%
- Stranding 10 Sq.mm. and below 10%
- Extruded PVC Inner Sheath
  - upto 50 Sqmm 5%
  - 70 Sqmm & above 2.5%
- HR PVC(Insulation, Inner Sheath, Outer Sheath)
  - Insulation 10%
  - Inner Sheath 5%
  - Outer Sheath 5%
- FR / Oxygen Index 2.5%
- PVC Insulated Cable as per IS 1554 8%

CABLE TYPE (SQ.MM)	INNER SHEATH FRLS	FRLS		LSZH	
		OUTER SHEATH		INNER SHEATH	OUTER SHEATH
		ARMED	UNARMED		
POWER (AL.)					
Up to 16	10%	7.5%		15%	20%
25 to 50	7.5%	7.5%		12.5%	15%
70 & Abv	5%	5%		15%	12.5%
POWER SINGLE CORE (AL.)					
Up to 16	NA	10%		25%	
25 to 70	NA	10%		20%	
95 & Abv	NA	7.5%		17.5%	

This cancels all our previous Price Lists and is subject to change without notice.

Rates are exclusive of GST & any other tax which shall be charged extra applicable and are subject to change without notice.

## COPPER ARMOURED/UNARMOURED LOW VOLTAGE CABLES

Power/Control Copper Cables, with Solid Copper conductor, XLPE Insulated, cores laid up, PVC type ST-2/ taped inner sheathed standard, Unarmoured/Armoured (Galvanised wire for cables upto 10x1.5 sqmm, 8x2.5 sqmm, 2x10 sqmm, 3x10 sqmm, 4x6 sqmm, 4x10 sqmm balance all galvanised steel strip), extruded PVC Type ST2 sheathed, 650/ 1100 V grade as per IS 7098 (Part 1) 1988

Rs. / Mtr.

NUMBER OF CORES	UNARMOURED		ARMOURED		NUMBER OF CORES	UNARMOURED		ARMOURED	
	2XY		2XWY/2XFY			2XY		2XWY/2XFY	
	1.5	2.5	1.5	2.5		1.5	2.5	1.5	2.5
2	61	86	86	112	14	287	446	354	491
3	76	111	105	141	16	326	511	366	554
4	95	142	125	176	19	383	603	424	649
5	113	169	147	211	24	484	759	531	814
6	133	202	168	245	27	542	849	593	906
7	151	232	186	277	30	620	972	679	1045
8	175	265	211	311	37	757	1193	828	1275
10	211	327	270	364	44	898	1433	1005	1578
12	249	387	311	426	61	1235	1970	1372	2150

### EXTRA FOR SPECIAL CONSTRUCTION (CONTROL CABLES)

- 1) Extruded PVC inner sheath 2.50%
- 2) For stranding (upto 6 sq.mm.) 4%
- 3) For Tinning 3%
- 4) Round wire armouring
  - i) 1.5 sq.mm. 12 core above 15%
  - ii) 2.5 sq.mm. 9 core and above 15%
  - iii) 2x16 sq.mm, 3x16 sq.mm, 4x16 sq.mm and above 15%
- 5) HR PVC
  - Insulation 7%
  - Inner Sheath 5%
  - Outer Sheath 5%
- 6) FR / Oxygen Index 2.5%
- 7) PVC Insulated Cable as per IS 1554 5%

### COPPER ARMOURED & UNARMOURED

CROSS SECTION (SQ.MM.)	UNARMOURED & ARMOURED					
	2 CORE		3 CORE		4 CORE	
	2XY	2XWY/2XFY	2XY	2XWY/2XFY	2XY	2XWY/2XFY
4	118	146	166	189	214	239
6	167	195	236	260	309	334
10	276	310	389	417	511	537
16	394	442	576	589	761	774

CROSS SECTION (SQ.MM.)	2 CORE		3 CORE		3.5 CORE		4 CORE	
	2XY	2XFY	2XY	2XFY	2XY	2XFY	2XY	2XFY
25	674		966		1163		1272	
35	921		1329		1526		1754	
50	1251		1812		2118		2400	
70	1770		2573		2998		3438	
95	2542		3695		4317		4946	
120	3188		4644		5531		6224	
150	3976		5796		6684		7769	
185	4892		7132		8338		9554	
240	6291		9188		10710		12315	
300	7835		11439		13341		15345	
400	10272		15011		17357		20133	

### FRLS LOADING FACTOR

CABLE TYPE (CORES)	INNER SHEATH	FRLS		LSZH	
		OUTER SHEATH		INNER SHEATH	Outer sheath
		ARMD.	UNARMD		
2 to 4	5%	6%	6%	15%	15%
5 to 10	5%	4%	4%	15%	15%
12 & Abv	5%	4%	4%	12.5%	12.5%

- FRLS Loading-Power Cable- upto 6 sqmm 7.5%
- 10 sqmm & abv 4%

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As per the international practice which is also adopted by BIS, the size of the conductor is decided by its resistance only. The construction of the conductor mentioned in the price-list are only for guide-lines and are as per market convention, It may vary within the prescribed limit of IS:8130-1994, with related classes and tables.

## LOW VOLTAGE COPPER UNARMOURED CABLES

Power Cables with Copper Conductor, XLPE Insulated, cores laid up, Extruded PVC ST 2 innersheathed, Unarmoured extruded PVC Type ST2 sheathed, as per IS 7098 (Part 1) 1988

CROSS SECTION SQ.MM.	Rs. / Mtr.			
	2 CORE 2XY	3 CORE 2XY	3.5 CORE 2XY	4 CORE 2XY
25	604	905	1093	1197
35	837	1252	1441	1659
50	1145	1718	2010	2275
70	1628	2453	2860	3282
95	2265	3407	3978	4563
120	2850	4287	5106	5757
150	3556	5361	6181	7196
185	4384	6606	7726	8864
240	5653	8525	9939	11441
300	7052	10630	12398	14271
400	9258	13959	16152	18750

Power Cables with Copper Conductor, XLPE Insulated, cores laid up, Unarmoured extruded PVC Type ST2 sheathed, as per IS 7098 (Part 1) 1988

CROSS SECTION SQ.MM.	1 CORE	CROSS SECTION SQ.MM.	1 CORE
	ARMOURED		UNARMOURED
16	216	16	200
25	357	25	309
35	484	35	425
50	654	50	582
70	921	70	828
95	1295	95	1112
120	1628	120	1404
150	2024	150	1754
185	2491	185	2160
240	3198	240	2783
300	3987	300	3467
400	5224	400	4560
500	6592	500	5757
630	8296	630	7252
800	10512	800	9203
1000	13121	1000	11500

## EXTRA FOR SPECIAL CONSTRUCTION

- 1) Extruded PVC inner sheath 2.50%
- 2) For stranding (upto 6 sq.mm.) 4%
- 3) For Tinning 3%
- 4) Round wire armouring
  - i) 1 C x 95 & above 7.50%
  - ii) 1.5 sq.mm. 12 core above 15%
  - iii) 2.5 sq.mm. 9 core and above 15%
  - iv) 2x 16, 3x 16, 4x 16 and above 15%
- 5) HR PVC - Insulation 7%
  - Inner Sheath 5%
  - Outer Sheath 5%
- 6) FR / Oxygen Index 2.5%
- 7) PVC Insulated Cable as per IS 1554 5%
- 8) FRLS Loading-Power Cable-upto 6sqm 7.50%
  - 10 sqmm & Above 4%

As per the international practice which is also adopted by BIS, the size of the conductor is decided by its resistance only. The construction of the conductor mentioned in the price-list are only for guide-lines and are as per market convention, It may vary within the prescribed limit of IS:8130-1994, with related classes and tables:

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## HIGH VOLTAGE ALUMINIUM FLAT ARMoured 3 CORES CABLES

Stranded Compact Circular Aluminium Conductor, Conductor Screened with Extruded Semi-conducting compound, XLPE Insulated, Insulation Screened with extruded semi-conducting compound in combination with copper tape (0.3 KA for one sec.), cores laid up, inner sheath of PE type, galvanised steel flat strip armoured, and overall PVC Sheathed cable conforming to IS:7098/II/85 with latest amendments:

							Rs. / Mtr.
A2XFY	3.3 KV (E/UE)	6.6 KV 'E'	6.6 KV 'UE'/ 11 KV'E'	11 KV 'UE'	22 KV 'E'	33 KV 'E'	33 KV 'UE'
CORES X SQ.MM	RS / M	RS / M	RS / M	RS / M	RS / M	RS / M	RS / M
3 X 25							
3 x 35			596				
3 x 50			673				
3 x 70	701	749	800				
3 x 95	849	892	947	1224	1274	1699	
3 x 120	999	1041	1092	1423	1454	1938	
3 x 150	1128	1174	1220	1573	1604	2052	2437
3 x 185	1329	1355	1420	1759	1798	2266	2699
3 x 240	1574	1639	1703	2069	2107	2593	3061
3 x 300	1860	1955	1981	2379	2417	2912	3413
3 x 400	2261	2445	2490	2797	2847	3371	3925

## EXTRA FOR SPECIAL CONSTRUCTION

- A) Extra for Special Construction
- a) FRLS PVC inner sheath 5%
  - b) FRLS PVC outer sheath 5%
  - c) Oxygen index 3%
  - d) Extruded inner sheath 3%
- B) Loading for round wire armour
- a) Upto 11 KV (E) 25%
  - b) 11 KV(UE) & Above 27.50%

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## HIGH VOLTAGE ALUMINIUM SINGLE CORES CABLES

Stranded Compact Circular Aluminium Conductor, Conductor Screened with Extruded Semi -conducting compound, XLPE Insulated, Insulation Screened with extruded semi-conducting compound, Aluminium Round Wire armoured, and overall PVC Sheathed cable conforming to IS:7098/II/85 with latest amendments.

							Rs. / Mtr.
A2XWaY	3.3 KV 'E'/UE	6.6 KV 'E'	6.6 KV 'UE' / 11 KV'E'	11 KV 'UE'	22 KV 'E'	33 KV 'E'	33 KV 'UE'
CORES X SQ.MM	RS / MTR	RS / MTR	RS / MTR	RS / MTR	RS / MTR	RS / MTR	RS / MTR
1 x 35			266				
1 x 50			393				
1 x 70	307	315	334				
1 x 95	347	353	373	487	505	673	
1 x 120	392	397	422	561	568	742	
1 x 150	438	444	464	608	618	774	917
1 x 185	504	516	556	706	723	860	1005
1 x 240	622	634	697	812	832	973	1193
1 x 300	721	741	816	915	937	1141	1315
1 x 400	863	898	974	1083	1107	1303	1504
1 x 500	1088	1141	1180	1353	1353	1601	1737
1 x 630	1348	1372	1408	1606	1606	1875	2032
1 x 800	1671	1685	1709	1876	1876	2147	2441
1 x 1000	2015	2023	2225	2441	2441	2611	2806

## EXTRA FOR SPECIAL CONSTRUCTION

- a) FRLS PVC inner sheath (3.3kV to 6.6/11kV E) 7.5%
- FRLS PVC outer sheath (11kV UE to 33kV) 5%
- b) FRLS PVC outer sheath 5%
- c) Oxygen index 3%
- d) Extruded inner sheath 3%
- e) Flat strip armoured -5%

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**HEAD OFFICE:**

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