

LASER POWER & INFRA PRIVATE LIMITED

REGD. OFFICE: "SWAIKA CENTRE", 4A POLLOCK STREET, ROOM NO. 307, 3RD FLOOR, KOLKATA - 700001

CORPORATE OFFICE : ADVENTZ INFINITY@5, BN BLOCK, 19TH FLOOR - NORTH WING,

SALT LAKE, SECTOR-V, KOLKATA - 700091

WORKS : NH-6, POLY PARK, DHULAGORI, PP-II, HOWRAH - 711302

EMAIL ID : sales@laserpowerinfra.com; Website : www.laserpowerinfra.com



JULY, 2022
W.E.F. : 05-07-2022

POWER CABLES

LASER makes Power Cables, Solid Aluminium Conductor up to 10 sq. mm & Balance Stranded Conductor, XLPE Insulated, Cores Laid Up, PVC Tape/Extruded Innersheathed, Unarmoured/Armoured (Aluminum wire for single core upto 70 sq. mm & balance Aluminium Strip, Galvanised Wire for cables upto 2x16 sq.mm, 3x10 sq. mm, 4x10 sq. mm & balance all galvanised steel strip) Extruded PVC ST2 Outer Sheathed, 650/1100V grade as per IS 7098 (Part 1) 1988

	ALUMINIUM ARMoured				
	1 Core	2 Core	3 Core	3.5 Core	4 Core
List Price Rs./Mtr.					
2.5		117	125		145
4		128	145		170
6		168	181		217
10		197	231		262
16	139	201	239		313
25	181	265	324	382	406
35	215	311	426	460	520
50	260	395	549	620	692
70	333	554	738	827	942
95	370	665	905	1,051	1,154
120	447	810	1,150	1,311	1,436
150	526	1,016	1,338	1,518	1,710
185	644	1,213	1,684	1,948	2,160
240	818	1,552	2,146	2,463	2,770
300	1,006	1,891	2,654	3,056	3,495
400	1,269	2,327	3,422	3,866	4,410
500	1,550	3,117	4,400	5,100	5,900
630	1,909	3,924	5,745	6,790	7,803
800	2,378				
1000	3,005				

Cable Size in Sq. mm	ALUMINIUM UNARMoured				
	1 Core	2 Core	3 Core	3.5 Core	4 Core
List Price Rs./Mtr.					
2.5					
4		74	93		111
6		103	123		150
10		140	168		197
16	76	138	189		250
25	118	208	281	357	375
35	146	273	387	419	465
50	187	342	477	569	622
70	248	493	686	776	894
95	326	573	835	987	1,064
120	390	714	1,090	1,269	1,291
150	469	888	1,258	1,485	1,600
185	576	1,059	1,585	1,899	1,979
240	680	1,386	2,046	2,279	2,638
300	847	1,693	2,507	2,954	3,213
400	1,063	2,114	3,128	3,692	4,230
500	1,391	2,602	4,194	4,917	5,584
630	1,747	3,314	5,524	6,522	7,473
800	2,220				
1000	2,856				

LASER makes Copper Power Cables, Solid Copper Conductor upto 6 sq. mm & Balance Stranded Copper, XLPE Insulated, Cores Laid up, PVC Innersheathed, Unarmoured/Armoured (Galvanised Wire for cables upto 14x1.5 sq. mm, 9x2.5 sq. mm, 2x16 sq. mm, 3x10 sq. mm, 4x10 sq. mm & balance all galvanised steel strip), extruded PVC Type ST2 Outer Sheathed, 650/1100 V grade as per IS 7098(Part 1) 1988

Cable Size in Sq. mm	COPPER ARMoured				
	1 Core	2 Core	3 Core	3.5 Core	4 Core
List Price Rs./Mtr.					
2.5					
4		273	366		461
6		373	506		652
10		594	813		1,038
16	487	797	1,170		1,507
25	737	1,250	1,782	2,143	2,348
35	992	1,748	2,468	2,800	3,246
50	1,394	2,367	3,400	3,937	4,482
70	1,928	3,272	4,798	5,640	6,665
95	2,477	4,455	6,620	7,552	8,657
120	3,073	5,312	8,158	9,970	11,012
150	3,766	6,651	10,120	11,500	13,300
185	4,606	8,233	12,700	14,830	16,870
240	5,872	10,607	16,500	19,080	21,740
300	7,417	13,434	20,470	24,000	27,662
400	9,950	18,275	27,000	30,900	35,400
500	12,305				
630	15,471				
800	19,581				
1000	24,614				

Cable Size in Sq. mm	COPPER UNARMoured				
	1 Core	2 Core	3 Core	3.5 Core	4 Core
List Price Rs./Mtr.					
2.5					
4		232	330		402
6		329	468		569
10		572	786		940
16	407	730	1,122		1,406
25	643	1,210	1,685	1,881	2,205
35	871	1,662	2,308	2,640	3,080
50	1,248	2,278	3,198	3,771	4,189
70	1,736	3,024	4,554	5,425	6,377
95	2,364	4,204	6,483	7,516	8,362
120	2,959	5,143	7,627	9,811	10,528
150	3,639	6,437	9,687	11,094	13,025
185	4,509	7,939	11,965	14,016	16,533
240	5,807	10,165	15,868	18,436	21,305
300	7,304	12,666	19,371	22,806	26,328
400	9,603	16,906	24,797	28,405	33,156
500	12,224				
630	15,389				
800	19,491				
1000	24,368				

Extra for Special Construction on Power Cables

A. Steel Wire Armouring	2x16 and above	30.00%
	3x16 and above	30.00%
	3.5x25 and above	30.00%
	4x10 and above	30.00%
Round Aluminium Wire	For Single Core 95 sq. mm & Above	30.00%
B. Stranding of Conductor	10 Sq. mm & Below	10.00%
	upto 50 sq. mm	7.50%
C. Extruded PVC Inner sheath	70 sq. mm and above	4.00%
	Insulation	15.00%
D. HR PVC-(Heat resisting PVC)	Inner Sheath	7.50%
	Outer Sheath	7.50%
E. Oxygen Index (Outer Sheath)		4.00%
F. PVC Insulated Cable as per IS 1554		12.00%

FRLS Loading Factor on Power Cables

Cable Type (Sq. mm)	Inner Sheath FRLS	FRLS Outer Sheath		ZHLS	
		Armd.	Unarmd.	Inner Sheath	Outer Sheath
POWER					
upto 16	15.00%	11.50%	11.50%	22.50%	30.00%
25 to 50	11.50%	11.50%	11.50%	18.00%	22.50%
70 & above	7.50%	7.50%	7.50%	22.50%	18.00%
POWER SINGLE CORE					
upto 16	N/A	15.00%	15.00%	N/A	37.50%
25 to 70	N/A	15.00%	15.00%	N/A	30.00%
95 & above	N/A	11.50%	12.00%	N/A	26.00%

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LASER makes Copper Control Cables, Solid Copper Conductor upto 6 sq. mm & Balance Stranded Copper, XLPE Insulated, Cores Laid up, PVC Innersheathed, Unarmoured/Armoured (Galvanised Wire for cable up to 10x1.5 sq. mm, 8x2.5 sq. mm & balance all galvanised steel strip), Extruded PVC Type ST2 sheathed, 650/1100V Grade as per IS 7098 (Part 1) 1988

No. of Cores	CONTROL CABLES (COPPER CONDUCTOR)			
	1.5 sq. mm	2.5 sq. mm	1.5 sq. mm	2.5 sq. mm
	Unarmoured		Armoured	
2	112	161	152	208
3	141	226	184	270
4	182	296	227	339
5	223	355	272	395
6	263	409	320	477
7	304	474	357	522
8	383	537	435	590
10	446	671	492	740
12	460	812	540	850
14	509	914	615	961
16	612	1047	690	1091
19	733	1261	819	1308
24	928	1593	1025	1638
27	999	1960	1110	2036
30	1204	2194	1257	2365
37	1613	2576	1700	2752
44	1948	3016	2113	3315
61	2936	4294	3084	4720

Size Sq. mm	POWER CABLES(COPPER CONDUCTOR)		
	5 Core	6 Core	7 Core
	Armoured		
4 sq. mm	576	710	802
6 sq. mm	793	956	1103
10 sq. mm	1292		
16 sq. mm	2010		
25 sq. mm	3138		
35 sq. mm	4364		
50 sq. mm	5822		

FRLS Loading Factor on Copper Control Cables

No. of Cores	Inner Sheath	Outer Sheath	
		Armd.	Unarmd.
2 to 4	7.5%	9.00%	9.00%
5 to 10	7.5%	6.00%	6.00%
12 & above	7.5%	6.00%	6.00%

LSZH Loading Factor on Copper Control Cables

No. of Cores	Inner Sheath	LSZH Loading	
		Armd.	Unarmd.
2 to 4	22.5%	22.50%	22.50%
5 to 10	22.5%	22.50%	22.50%
12 & above	18.0%	18.00%	18.00%

Extra for special Construction on Copper Control Cables

A) Tinning	3.00%	
B) Stranding (upto 6 Sq. mm)	4.00%	
C) Extruded Innersheath	4.00%	
D) Wire Armouring	1C x 95 sq. mm & above	9.00%
	1.5 Sq. mm.-12 Core & above	18.00%
	2.5 Sq. mm.-9 Core & above	18.00%
	2x16,3x16 & 4x10 & above	18.00%
E) HR PVC- (Heat resisting PVC)	Insulation	10.00%
	Inner Sheath	7.50%
	Outer Sheath	7.50%
F) Oxygen Index(FR)	4.00%	
G) FRLS Loading - Power Cable (upto 6 sq. mm)	11.50%	
H) FRLS Loading - Power Cable(10 Sq. mm & above)	6.00%	
J) PVC Insulated Cables	7.50%	

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LASER makes HT cables Stranded compacted circular **Aluminium Conductor**, Conductor screened with Extruded Semi Conducting Compound, XLPE Insulated, Insulation screened with extruded semiconducting compound in combination with Copper Tape , **Aluminium Flat Strip armoured** and overall PVC sheathed cable conforming to IS:7098(Part-II) 85 with upto date amendments

A2XFaY Core x Sq. mm.	1 CORE HT XLPE						
	3.3 KV(E)	3.3 KV(UE)/ 6.6 KV(E)	6.6 KV(UE)/ 11 KV(E)	11 KV(UE)	22 KV(E)	33 KV(E)	33 KV(UE)
LIST PRICE RS. /MTR.							
240		1101	1210	1370	1402	1803	2065
300		1261	1388	1561	1597	2132	2295
400		1533	1664	1853	1894	2446	2589
500		1957	2029	2328	2328	2882	3004
630		2364	2428	2751	2751	3352	3490
800		2939	2979	3295	3295	3967	4140
1000		3476	3817	4084	4084	4854	5218

LASER makes HT Cables Stranded compacted circular **Aluminium Conductor**, Conductor screened with Extruded Semi Conducting Compound, XLPE Insulated, Insulation screened with extruded semiconducting compound in Combination with Copper Tape, **Aluminium Round Wire armoured** and overall PVC sheathed cable conforming to IS:7098(Part-II) 85 with upto Date Amendments.

A2XWaY Core x Sq. mm.	1 CORE HT XLPE						
	3.3 KV(E)	3.3 KV(UE)/ 6.6 KV(E)	6.6 KV(UE)/ 11 KV(E)	11 KV(UE)	22 KV(E)	33 KV(E)	33 KV(UE)
LIST PRICE RS. /MTR.							
240		1155	1270	1442	1477	1900	2176
300		1331	1465	1643	1681	2247	2418
400		1616	1751	1949	1992	2570	2723
500		2062	2132	2448	2448	3036	3166
630		2491	2555	2892	2892	3527	3672
800		3090	3222	3469	3469	4174	4353
1000		3659	4021	4295	4295	5089	5491

LASER makes HT Cables Stranded compacted circular **Aluminium conductor**, conductor screened with extruded semiconducting compound, XLPE Insulated, Insulation screened with extruded semiconducting compound in combination with copper tape cores laid up, inner sheath of PVC, **galvanised steel flat strip armoured**, and overall PVC sheathed cable conforming to IS:7098(Part-II) 85 with upto date amendment.

A2XFY Core x Sq. mm.	3 CORE HT XLPE						
	3.3 KV(E)	3.3 KV(UE)/ 6.6 KV(E)	6.6 KV(UE)/ 11 KV(E)	11 KV(UE)	22 KV(E)	33 KV(E)	33 KV(UE)
LIST PRICE RS. /MTR.							
35			1051				
50			1236				
70		1389	1480				
95		1567	1712	2156	2373	3100	
120		1897	2030	2553	2634	3400	
150		2227	2348	2819	3009	3800	4335
185		2554	2710	3232	3360	4155	4757
240		3114	3270	3918	4060	4826	5266
300		3723	3870	4469	4600	5340	6019
400		4722	4829	5225	5450	6400	7164

Extra for special construction on HT Power Cables
(Multi core)

A. Extruded PVC Inner Sheath with Fillers	4.50%
B. Pressure Extruded PVC Inner Sheath	19.50%
C. Round Wire Armouring	
i) 3.3kV(E) to 11kV(E)	30.00%
ii) 11kV(UE) & above	33.00%
D. FRLS PVC Inner Sheath	7.50%
E. FRLS PVC Outer Sheath	7.50%
F. Oxygen Index (Outer Sheath)	4.50%

Extra for special construction on HT Power Cables
(Single Core)

A. FRLS PVC Inner Sheath	11.50%
B. FRLS PVC Outer Sheath	7.50%
C. Oxygen Index (Outer Sheath)	4.50%