

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 1.9 / 3.3 kV (Unscreened) (E)
3.3 & 3.3 kV (Unscreened) (UE)**

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Stranded △	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground	In air	In ground	In air
				Amps.	Amps.	Amps.	Amps.										
25	Shaped	2.2	0.3	4x0.8	1.40	28.00	1010	1455	1.60	1.56	30.00	1330	1775	93	97	120	126
35	Shaped	2.2	0.3	4x0.8	1.56	30.00	1155	1775	1.60	1.56	31.50	1460	2080	111	119	142	148
50	Shaped	2.2	0.4	4x0.8	1.56	33.00	1360	2200	2.00	1.56	35.50	1960	2795	132	148	160	175
70	Shaped	2.2	0.4	4x0.8	1.56	35.00	1625	2835	2.00	1.56	37.50	2245	3455	160	179	215	225
95	Shaped	2.2	0.4	4x0.8	1.72	38.50	1965	3645	2.00	1.72	40.50	2660	4340	192	219	260	270
120	Shaped	2.2	0.5	4x0.8	1.72	40.50	2295	4415	2.00	1.88	43.50	3040	5165	218	253	290	310
150	Shaped	2.2	0.5	4x0.8	1.88	43.50	2670	5295	2.50	2.04	47.50	3885	6510	245	290	325	350
185	Shaped	2.2	0.5	4x0.8	2.04	47.00	3170	6450	2.50	2.04	50.50	4435	7710	275	330	365	400
240	Shaped	2.2	0.6	4x0.8	2.20	50.00	3790	8105	2.50	2.20	53.50	5160	9470	318	391	425	475
300	Shaped	2.2	0.6	4x0.8	2.20	56.00	4540	9955	2.50	2.36	59.50	6115	11530	360	453	476	540
400	Shaped	2.2	0.7	4x0.8	2.52	60.50	5530	12445	3.15	2.68	65.00	7900	14810	410	530	570	650

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
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**Voltage Grade : 1.9 / 3.3 kV (Screened) (E)
3.3 & 3.3 kV (Screened) (UE)**

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Stranded ○	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground	In air	In ground	In air
				Amps.	Amps.	Amps.	Amps.										
25	Circular	2.2	0.4	4 X 0.8	1.56	34.5	1570	2020	2.0	1.56	37.0	2100	2545	93	97	120	126
35	Circular	2.2	0.4	4 X 0.8	1.56	36.5	1730	2350	2.0	1.72	39.0	2330	2955	111	119	142	148
50	Circular	2.2	0.4	4 X 0.8	1.72	39.5	2040	2880	2.0	1.72	42.0	2665	3500	132	148	160	175
70	Circular	2.2	0.5	4 X 0.8	1.72	43.0	2440	3650	2.0	1.88	45.5	3140	4355	160	179	215	225
95	Circular	2.2	0.5	4 X 0.8	1.88	47.0	2905	4590	2.5	2.04	50.5	4080	5760	192	219	260	270
120	Circular	2.2	0.5	4 X 0.8	2.04	52.0	3475	5595	2.5	2.04	55.5	4700	6820	218	253	290	310
150	Circular	2.2	0.6	4 X 0.8	2.04	53.5	3750	6375	2.5	2.20	57.0	5070	7690	245	290	325	350
185	Circular	2.2	0.6	4 X 0.8	2.20	58.0	4370	7645	2.5	2.36	61.5	5810	9085	275	330	365	400
240	Circular	2.2	0.6	4 X 0.8	2.36	63.5	5195	9510	2.5	2.36	67.0	6745	11055	318	391	425	475
300	Circular	2.2	0.7	4 X 0.8	2.52	68.5	6085	11500	3.15	2.68	73.5	8525	13940	360	453	476	540
400	Circular	2.2	0.7	4 X 0.8	2.68	75.0	7225	14105	3.15	2.84	80.0	9870	16750	410	530	570	650

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

Voltage Grade : 3.8 / 6.6 kV (E)

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Circular O	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground Amps.	In air Amps.	In ground Amps.	In air Amps.
25	Circular	2.8	0.4	4x0.8	1.56	37.00	1785	2230	2.00	1.72	39.50	2390	2835	94	100	110	115
35	Circular	2.8	0.4	4x0.8	1.72	39.50	1975	2595	2.00	1.72	42.00	2600	3220	111	121	135	140
50	Circular	2.8	0.5	4x0.8	1.72	42.00	2280	3115	2.00	1.88	44.50	2980	3815	130	145	165	175
70	Circular	2.8	0.5	4x0.8	1.88	46.00	2650	3865	2.00	1.88	48.00	3365	4580	160	181	200	215
95	Circular	2.8	0.5	4x0.8	1.88	49.50	3095	4780	2.50	2.04	53.00	4330	6015	191	221	235	255
120	Circular	2.8	0.6	4x0.8	2.04	54.50	3655	5775	2.50	2.20	58.00	5005	7130	217	254	260	290
150	Circular	2.8	0.6	4x0.8	2.20	56.50	3995	6620	2.50	2.20	59.50	5340	7965	243	290	300	335
185	Circular	2.8	0.6	4x0.8	2.20	60.50	4565	7840	2.50	2.36	64.00	6050	9330	274	330	330	370
240	Circular	2.8	0.7	4x0.8	2.36	66.50	5570	9885	3.15	2.52	71.50	7935	12250	317	390	385	440
300	Circular	3.0	0.7	4x0.8	2.52	72.00	6520	11935	3.15	2.68	77.00	9090	14505	358	450	440	505
400	Circular	3.3	0.7	4x0.8	2.84	80.00	7910	14790	4.00	3.00	87.00	11890	18770	408	525	515	600

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

Voltage Grade : 6.35 / 11 kV (E)

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Circular O	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground	In air	In ground	In air
				Amps.	Amps.	Amps.	Amps.										
35	Circular	3.6	0.5	4x0.8	1.72	43.00	2300	2920	2.00	1.88	46.00	3000	3620	113	123	137	142
50	Circular	3.6	0.5	4x0.8	1.88	46.00	2555	3395	2.50	2.04	49.50	3690	4530	132	147	167	177
70	Circular	3.6	0.5	4x0.8	1.88	49.00	2960	4175	2.50	2.04	53.00	4160	5375	162	183	202	217
95	Circular	3.6	0.6	4x0.8	2.04	53.50	3510	5195	2.50	2.20	57.00	4830	6515	193	223	237	257
120	Circular	3.6	0.6	4x0.8	2.20	58.00	4080	6200	2.50	2.20	61.50	5470	7590	219	256	262	292
150	Circular	3.6	0.6	4x0.8	2.20	59.50	4365	6990	2.50	2.36	63.50	5850	8475	245	292	302	337
185	Circular	3.6	0.7	4x0.8	2.36	64.50	5050	8330	3.15	2.52	69.50	7320	10600	276	332	332	372
240	Circular	3.6	0.7	4x0.8	2.52	70.00	5955	10270	3.15	2.68	75.00	8425	12740	319	392	387	442
300	Circular	3.6	0.7	4x0.8	2.68	75.00	6835	12250	3.15	2.84	80.00	9470	14890	360	452	442	507
400	Circular	3.6	0.7	4x0.8	2.84	81.50	8195	15075	4.00	3.00	88.00	12240	19120	410	527	517	602

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

Voltage Grade : 11 / 11 kV (UE)

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Circular O	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground Amps.	In air Amps.	In ground Amps.	In air Amps.
35	Circular	5.5	0.5	4x0.8	2.04	52.00	3115	3735	2.50	1.88	55.50	4385	5005	116	126	140	145
50	Circular	5.5	0.6	4x0.8	2.20	55.00	3400	4240	2.50	2.04	58.00	4720	5555	135	150	170	180
70	Circular	5.5	0.6	4x0.8	2.20	58.00	3885	5095	3.15	2.04	63.50	5950	7160	165	186	205	220
95	Circular	5.5	0.6	4x0.8	2.36	62.50	4475	6155	3.15	2.20	67.50	6645	8330	196	226	240	260
120	Circular	5.5	0.7	4x0.8	2.36	67.00	5085	7205	3.15	2.20	72.00	7480	9605	222	259	265	295
150	Circular	5.5	0.7	4x0.8	2.52	69.00	5435	8060	3.15	2.40	74.00	7870	10495	248	295	305	340
185	Circular	5.5	0.7	4x0.8	2.68	73.00	6160	9435	3.15	2.52	78.00	8760	12040	289	335	335	375
240	Circular	5.5	0.7	4x0.8	2.84	79.00	7135	11450	3.15	2.68	84.00	9940	14255	322	395	390	445
300	Circular	5.5	0.7	4x0.8	3.00	83.50	8080	13495	4.00	2.84	90.00	12135	17550	363	455	445	510
400	Circular	5.5	0.7	4x0.8	3.00	90.00	9455	16335	4.00	3.00	96.50	13885	20765	413	530	520	605

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

Voltage Grade : 12.7 / 22 kV (E)

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Circular O	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground Amps.	In air Amps.	In ground Amps.	In air Amps.
35	Circular	6	0.6	4x0.8	2.04	55.00	3345	3965	2.50	2.20	59.00	4710	5335	120	130	144	149
50	Circular	6	0.6	4x0.8	2.20	58.00	3730	4570	2.50	2.36	61.50	5165	6005	139	154	174	184
70	Circular	6	0.6	4x0.8	2.36	61.50	4245	5460	2.50	2.36	65.00	5700	6910	169	190	209	224
95	Circular	6	0.7	4x0.8	2.36	65.50	4730	6410	3.15	2.52	70.50	7030	8715	200	230	244	264
120	Circular	6	0.7	4x0.8	2.52	70.50	5370	7490	3.15	2.68	75.50	7840	9960	226	263	269	299
150	Circular	6	0.7	4x0.8	2.68	72.00	5845	8470	3.15	2.68	77.00	8355	10980	252	299	309	344
185	Circular	6	0.7	4x0.8	2.68	76.50	6535	9810	3.15	2.84	81.50	9205	12485	283	339	339	379
240	Circular	6	0.7	4x0.8	2.84	82.00	7530	11840	4.00	3.00	88.50	11575	15885	326	399	394	449
300	Circular	6	0.7	4x0.8	3.00	86.50	8485	13900	4.00	3.00	93.00	12680	18095	367	459	449	514
400	Circular	6	0.7	4x0.8	3.00	93.00	9745	16625	4.00	3.00	99.50	14290	21170	417	534	524	609

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,
Armoured Cable Conforming to IS 7098 Part-2/1985**

Voltage Grade : 19 / 33 kV (E)

WEIGHT & DIMENSIONS

Nominal Size of as per IS 8130/84 Sq.mm.	Form of Conductor Circular O	Nom. Thickness of XLPE Insulation mm	Min. Thickness of PVC Inner Sheath mm	Strip Armoured Cable					Round Wire Armoured Cable					CURRENT RATING			
				Nom. Dimension G.I. Flat Strip mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. weight of Cable Kg./Km	Nom. Dimension of GI Round Wire mm	Min. Thickness of PVC Outer Sheath mm	Approx. Overall Diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Aluminium		Copper	
														In ground	In air	In ground	In air
				Amps.	Amps.	Amps.	Amps.										
50	Circular	8.8	0.7	4x0.8	2.52	72.00	5355	6195	3.15	2.68	77.00	7920	8760	130	158	165	170
70	Circular	8.8	0.7	4x0.8	2.68	76.00	5980	7195	3.15	2.84	81.00	8655	9865	158	198	185	210
95	Circular	8.8	0.7	4x0.8	2.84	80.00	6520	8205	3.15	3.00	85.00	9325	11010	188	270	220	260
120	Circular	8.8	0.7	4x0.8	2.84	84.50	7230	9355	4.00	3.00	91.00	11415	13540	214	286	240	295
150	Circular	8.8	0.7	4x0.8	3.00	86.00	7760	10385	4.00	3.00	92.50	11960	14585	239	293	280	350
185	Circular	8.8	0.7	4x0.8	3.00	90.50	8540	11815	4.00	3.00	96.50	12945	16220	270	348	325	385
240	Circular	8.8	0.7	4x0.8	3.00	95.50	9555	13865	4.00	3.00	102.00	14260	18575	312	408	370	455
300	Circular	8.8	0.7	4x0.8	3.00	100.00	10555	15975	4.00	3.00	106.50	15450	20865	352	449	420	525
400	Circular	8.8	0.7	4x0.8	3.00	106.50	11905	18785	4.00	3.00	113.00	17075	23955	402	522	480	620