

**“KEI” Single Core Compacted Aluminium & Copper Conductor, XLPE Insulated,
Unarmoured & Armoured Cable AL & CU / XLPE / AL Wire / PVC Conforming to IS 7098 Part-2/1985**

Voltage Grade : 1.9 /3.3 kV (Unscreened) (E)

Voltage Grade : 3.3 /3.3 kV (Unscreened) (UE)

WEIGHT & DIMENSIONS

Nom. Size of stranded Class 2 Conductor as per IS 8130/ 1984 Sq.mm.	Nom. Thickness of XLPE Insulation for U/A Cable mm	Unarmoured Cable				Armoured Cable						CURRENT RATING			
		Nom. 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. Thickness of XLPE insulation mm	Nom. dimension of Al. Wire mm	Min. Thickness of PVC Outersheath mm	Approx. overall diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx Weight of Cable Kg./Km	Alluminium		Copper.	
												In ground at 30°C Amps.	In air at 40°C Amps.	In ground at 30°C Amps.	In air at 40°C Amps.
25	2.2	1.8	15.0	235	385	2.5	1.4	1.24	17.5	340	490	97	104	120	135
35	2.2	1.8	16.0	275	485	2.5	1.4	1.24	18.5	390	595	115	127	145	165
50	2.2	1.8	17.0	325	605	2.5	1.4	1.40	20.0	460	740	136	153	170	195
70	2.2	1.8	18.5	405	805	2.5	1.6	1.40	22.0	575	975	166	192	215	255
95	2.2	2.0	20.5	515	1075	2.5	1.6	1.40	23.5	680	1240	198	237	255	315
120	2.2	2.0	23.0	615	1320	2.5	1.6	1.40	26.0	795	1500	225	275	295	365
150	2.2	2.0	23.5	695	1565	2.5	1.6	1.40	26.5	880	1750	253	317	330	420
185	2.2	2.0	25.5	825	1910	2.5	1.6	1.40	28.5	1025	2115	285	362	375	485
240	2.2	2.0	28.0	1010	2440	2.5	1.6	1.56	31.5	1255	2685	330	433	440	580
300	2.2	2.0	30.0	1195	2990	2.5	1.6	1.56	33.5	1470	3265	373	504	495	665
400	2.2	2.2	33.5	1495	3785	2.6	2.0	1.56	37.5	1845	4140	427	598	585	805
500	2.4	2.2	37.0	1850	4790	2.8	2.0	1.56	40.5	2240	5180	485	694	630	900
630	2.6	2.2	41.0	2305	6115	3.0	2.0	1.72	45.5	2790	6600	551	815	705	1030
800	2.8	2.4	48.0	2940	7825	3.3	2.0	1.88	50.5	3430	8315	625	969	755	1060
1000	3.0	2.6	52.5	3645	9765	3.5	2.5	2.04	57.5	4405	10525	692	1103	855	1225

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WEIGHT & DIMENSIONS

Nom. Size of stranded Class 2 Conductor as per IS 8130/ 1984 Sq.mm.	Nom. Thickness of XLPE Insulation for U/A Cable mm	Unarmoured Cable				Armoured Cable							CURRENT RATING			
		Nom. 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. Thickness of XLPE insulation mm	Min. Thickness of PVC Innersheath mm	Nom. dimension of Al. Wire mm	Min. Thickness of PVC Outersheath mm	Approx. overall diameter of Cable mm	Al. Approx. Weight of Cable Kg./Km	Cu. Approx. Weight of Cable Kg./Km	Alluminium		Copper.	
													In ground at 30°C	In air at 40°C	In ground at 30°C	In air at 40°C
													Amps.	Amps.	Amps.	Amps.
25	2.2	1.8	17.0	300	450	2.5	0.3	1.6	1.40	21.5	520	665	97	104	120	135
35	2.2	1.8	18.0	345	550	2.5	0.3	1.6	1.40	22.5	580	785	115	127	145	165
50	2.2	2.0	19.5	420	695	2.5	0.3	1.6	1.40	23.5	645	925	136	153	170	195
70	2.2	2.0	21.0	505	905	2.5	0.3	1.6	1.40	25.0	745	1150	166	192	215	255
95	2.2	2.0	22.5	610	1165	2.5	0.3	1.6	1.40	27.0	870	1430	198	237	255	315
120	2.2	2.0	25.0	715	1420	2.5	0.3	1.6	1.40	29.0	1000	1705	225	275	295	365
150	2.2	2.0	25.5	795	1670	2.5	0.3	1.6	1.56	30.0	1115	1985	253	317	330	420
185	2.2	2.0	27.5	930	2020	2.5	0.3	1.6	1.56	32.0	1270	2360	285	362	375	485
240	2.2	2.0	30.0	1130	2560	2.5	0.4	2.0	1.56	35.5	1575	3005	330	433	440	580
300	2.2	2.2	32.5	1355	3150	2.5	0.4	2.0	1.56	37.5	1810	3605	373	504	495	665
400	2.2	2.2	35.5	1640	3930	2.6	0.4	2.0	1.72	41.0	2175	4465	427	598	585	805
500	2.4	2.2	39.0	2010	4950	2.8	0.4	2.0	1.72	44.5	2610	5550	485	694	630	900
630	2.6	2.4	43.5	2525	6330	3.0	0.5	2.0	1.88	49.0	3180	6990	551	815	705	1030
800	2.8	2.6	50.0	3195	8075	3.3	0.5	2.5	2.04	55.5	4060	8945	625	969	755	1060
1000	3.0	2.6	54.5	3865	9985	3.5	0.6	2.5	2.20	61.5	4950	11070	692	1103	855	1225