2 Indoor Cables

2.1 Single core insulated, non-sheathed

Application : For indoor fixed installations in dry locations. Shall be enclosed in conduit, ducting or trunking.

Engineering Specifications

Type : Cu/PVC
Standard : SLS 1504-2-31, BS EN 50525-2-31
Nominal Voltage : 450/750 V
Insulation : 70 °C rated PVC compound
Packing : Supplied in coils of 100 meters or as per customer requirement
Conductor : Soft annealed solid or stranded copper wires

Technical Information

KELANI Cable Code	Conductor		Cable				Packing	
	Nominal Cross sectional area	No.& Dia. of wires	Nominal Insulation Thickness	Max. Overall Diameter	Approx. Weight	Max. d.c. Resistance at 20 °C	Drum Type	Cable Length
	mm²	x/mm	mm	mm	kg/km	Ω/km		m
Copper Solid Conductors								
1U119138ZZ	1.5	1/1.38	0.70	3.2	21	12.1	Coils	100
1U122178ZZ	2.5	1/1.78	0.80	3.9	33	7.41	Coils	100
Copper Stranded Conductors								
1U119053ZZ	1.5	7/0.53	0.70	3.3	21	12.1	Coils	100
1U122067ZZ	2.5	7/0.67	0.80	4.0	34	7.41	Coils	100
1U124085ZZ	4	7/0.85	0.80	4.6	50	4.61	Coils	100
1U126104ZZ	6	7/1.04	0.80	5.2	71	3.08	Coils	100
1U129135ZZ	10	7/1.35	1.0	6.7	119	1.83	Coils	100
1U131170ZZ	16	7/1.70	1.0	7.8	179	1.15	Coils	100
1U132214ZZ	25	7/2.14	1.2	9.7	281	0.727	Kel 01	1000
1U133153ZZ	35	19/1.53	1.2	10.9	382	0.524	Kel 01	1000
1U135178ZZ	50	19/1.78	1.4	12.8	518	0.387	Kel 01	1000
1U137214ZZ	70	19/2.14	1.4	14.6	730	0.268	Kel 03	1000
1U138252ZZ	95	19/2.52	1.6	17.1	1008	0.193	Kel 05	1000
1U139203ZZ	120	37/2.03	1.6	18.8	1261	0.153	Kel 05	1000
1U141225ZZ	150	37/2.25	1.8	20.9	1552	0.124	Kel 05	1000
1U142252ZZ	185	37/2.52	2.0	23.3	1945	0.0991	Kel 06	1000
1U143225ZZ	240	61/2.25	2.2	26.6	2547	0.0754	Kel 10	1000
1U144252ZZ	300	61/2.52	2.4	29.6	3187	0.0601	Kel 10	1000
1U145285ZZ	400	61/2.85	2.6	33.2	4059	0.0470	Kel 12	1000
1U146320ZZ	500	61/3.20	2.8	36.9	5098	0.0366	Kel 15	1000
1U147252ZZ	630	127/2.52	2.8	41.1	6518	0.0283	Kel 10	500

Refer Table A1 & A2 for current carrying capacity and voltage drop.