

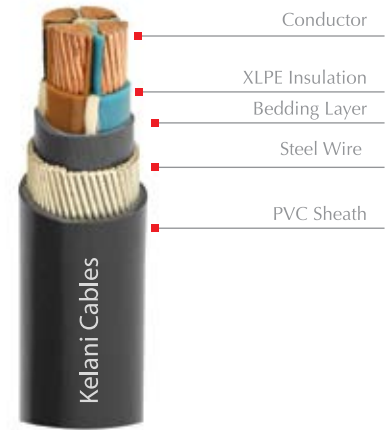
3 Outdoor Cables - Copper Conductor

3.11 Multicore armoured shaped conductor - XLPE insulated

Application : For outdoor installation where mechanical protection is required. These cables can be installed in air, on a perforated cable tray, direct in ground or in ducting in ground.

Engineering Specifications

Type	: Cu/XLPE/SWA/PVC
Standard	: BS 5467
Nominal Voltage	: 600/1000V
Insulation	: 90 °C rated XLPE compound
Sheathing	: PVC compound
Packing	: The cables are delivered on non-returnable wooden drums as per customer requirement
Conductor	: Soft annealed stranded copper wires



Technical Information

KELANI Cable Code	Conductor		Nominal Insulation thickness	Nominal Bedding thickness	Nominal Steel wire diameter	Nominal Sheathing thickness	Max. Overall Diameter	Approx. Weight	Max d.c. Resistance at 20°C	Armour wire area	Packing 1000 m 500 m
	Nominal Cross sectional area	No. & Dia. of wires									Drum Type
	mm ²	x/mm	mm	mm	mm	mm	mm	kg/km	Ω/km	mm ²	
1S432214ZZ	25	7/2.14	0.9	1.0	1.6	1.7	26.1	1871	0.727	70	Kel 09
1S433252ZZ	35	7/2.52	0.9	1.0	1.6	1.8	28.8	2343	0.524	78	Kel 10
1S435178ZZ	50	19/1.78	1.0	1.0	1.6	1.9	32.1	2976	0.387	90	Kel 12
1S437214ZZ	70	19/2.14	1.1	1.2	2.0	2.1	37.7	4278	0.268	131	Kel 15
1S438252ZZ	95	19/2.52	1.1	1.2	2.0	2.2	41.7	5488	0.193	147	Kel 12
1S439203ZZ	120	37/2.03	1.2	1.4	2.5	2.3	47.1	7058	0.153	206	Kel 12
1S441225ZZ	150	37/2.25	1.4	1.4	2.5	2.4	51.4	8404	0.124	230	Kel 15
1S442252ZZ	185	37/2.52	1.6	1.4	2.5	2.6	56.6	10205	0.0991	255	Kel 15
1S443225ZZ	240	61/2.25	1.7	1.6	2.5	2.7	63.0	12850	0.0754	289	Kel 12
1S444252ZZ	300	61/2.52	1.8	1.6	2.5	2.9	68.8	15609	0.0601	319	Kel 13
1S445285ZZ	400	61/2.85	2.0	1.8	3.15	3.2	78.1	20350	0.0470	452	Kel 13

Refer Table H for current carrying capacity and voltage drop.