

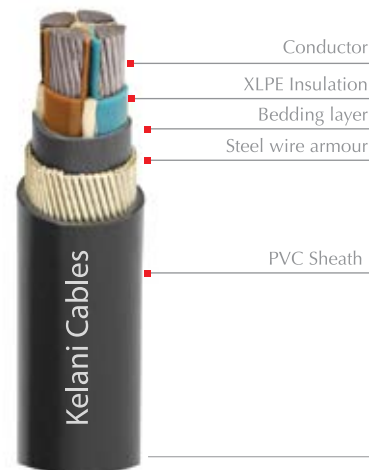
4 Outdoor Cables - Aluminium Conductor

4.6 Multi core armoured shaped conductor - XLPE insulated.

Application : For outdoor installations 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	: Al/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	: Stranded aluminium 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	
1Y432214ZZ	25	7/2.14	0.9	1.0	1.6	1.7	26.1	1235	1.20	70	Kel 09
1Y433252ZZ	35	7/2.52	0.9	1.0	1.6	1.8	28.6	1460	0.868	78	Kel 10
1Y435178ZZ	50	19/1.78	1.0	1.0	1.6	1.9	32.0	1780	0.641	90	Kel 12
1Y437214ZZ	70	19/2.14	1.1	1.2	2.0	2.1	37.7	2549	0.443	131	Kel 15
1Y438252ZZ	95	19/2.52	1.1	1.2	2.0	2.2	41.7	3090	0.320	147	Kel 12
1Y439203ZZ	120	37/2.03	1.2	1.4	2.5	2.3	47.1	4028	0.253	206	Kel 12
1Y441225ZZ	150	37/2.25	1.4	1.4	2.5	2.4	51.4	4682	0.206	230	Kel 15
1Y442252ZZ	185	37/2.52	1.6	1.4	2.5	2.6	56.6	5536	0.164	255	Kel 15
1Y443225ZZ	240	61/2.25	1.7	1.6	2.5	2.7	63.0	6753	0.125	289	Kel 12
1Y444252ZZ	300	61/2.52	1.8	1.6	2.5	2.9	68.8	7910	0.100	319	Kel 13

Refer Table J for current carrying capacity and voltage drop.