

3 Outdoor Cables - Copper Conductor

3.5 Multi core unarmoured circular conductor - XLPE insulated.

Application : For outdoor installations in air, conduit, duct or tray. They are normally used for power distribution in urban networks, in industrial plants, in thermopower and hydropower stations.

Engineering Specifications

Type	: Cu /XLPE/ PVC
Standard	: BS 7889
Nominal Voltage	: 600/1000 V
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 Sheathing Thickness	Max. Overall Diameter	Approx. Weight	Max d.c. Resistance at 20°C	Packing	
	Nominal Cross sectional area	No. & Dia. of wires						Drum Type	Cable Length
	mm ²	x/mm	mm	mm	mm	kg/km	Ω/km		m
Two core cables									
1X231170ZZ	16	7/1.70	0.7	1.8	17.2	460	1.15	Kel 05	1000
1X232214ZZ	25	7/2.14	0.9	1.8	20.8	680	0.727	Kel 05	1000
1X233252ZZ	35	7/2.52	0.9	1.8	23.2	890	0.524	Kel 06	1000
Three core cables									
1X331170ZZ	16	7/1.70	0.7	1.8	18.3	625	1.15	Kel 05	1000
1X332214ZZ	25	7/2.14	0.9	1.8	22.1	945	0.727	Kel 05	1000
1X333252ZZ	35	7/2.52	0.9	1.8	24.8	1250	0.524	Kel 08	1000
Four core cables									
1X431170ZZ	16	7/1.70	0.7	1.8	20.0	795	1.15	Kel 05	1000
1X432214ZZ	25	7/2.14	0.9	1.8	24.3	1220	0.727	Kel 08	1000
1X433252ZZ	35	7/2.52	0.9	1.8	27.3	1620	0.524	Kel 10	1000

Refer Table F for current carrying capacity and voltage drop.