

# COPPER CONDUCTOR XLPE INSULATED PVC SHEATHED CONTROL CABLES



## APPLICATION

Multi-core PVC cable with steel wire armour (SWA). Power and auxiliary fixed wiring cables for use in power networks, underground, outdoor and indoor applications and for use in cable ducting.

## CHARACTERISTICS

**Voltage Rating** Uo/U  
0.6/1kV

**Temperature Rating**  
Fixed: -25°C to +90°C

**Minimum Bending Radius**  
1.5mm<sup>2</sup> to 16mm<sup>2</sup> - Fixed: 6 x overall diameter  
25mm<sup>2</sup> and above - Fixed: 8 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 2 stranded copper conductor

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Bedding**  
PVC (Polyvinyl Chloride)

**Armour**  
SWA (Steel Wire Armour)

**Sheath**  
PVC (Polyvinyl Chloride)

## CABLE THIRD-PARTY ACCREDITATIONS

Cables are type tested and accredited by Kenya Bureau and Standards (KEBS)

## STANDARDS

KS IEC/EN 60502-1, IEC/EN 60228  
Flame Retardant according to IEC/EN 60332-1-2



## CORE IDENTIFICATION

White with Black numerals

**Sheath Colour**  
● Black



## DIMENSIONS

NUMBER OF CORE	REFERENCE NUMBER	NOMINAL	NOMINAL NUMBER AND	APPROX. DIAMETER	APPROX. DIAMETER	APPROX.	APPROX.
		AREA OF CONDUCTOR mm <sup>2</sup>	DIAMETER OF WIRES IN CONDUCTOR no/mm	UNDER ARMOUR mm	OVER ARMOUR mm	OVERALL DIAMETER mm	NETT WEIGHT kg/km
<b>Five</b>	6945XL7	1.5	1/1.38	9.3	11.1	14.3	430
		2.5	7/0.67	11.1	12.9	16.3	520
<b>Seven</b>	6947XL7	1.5	1/1.38	10.2	12	15.2	500
		2.5	7/0.67	11.9	13.7	17.1	600
<b>Twelve</b>	69412XL7	1.5	1/1.38	13.6	16.1	19.4	820
		2.5	7/0.67	16	18.5	22.4	1020
<b>Nineteen</b>	69419XL7	1.5	1/1.38	16.3	18.8	22.2	1070
		2.5	7/0.67	19.5	22.7	26.6	1540
<b>Twenty-seven</b>	69427XL7	1.5	1/1.38	20	23.2	26.7	1553
		2.5	7/0.67	23.5	26.7	30.7	1990
<b>Thirty-seven</b>	69437XL7	1.5	1/1.38	22.4	25.6	29.2	1870
		2.5	7/0.67	26.3	29.5	33.8	2350

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale



SCAN QR CODE