

This range of cables is for mains supply electricity, being steel wire armoured they are suitable for external use and direct burial. Cross linked polyethylene (XLPE) insulated booklet armoured cables are available as standard from Cables & Flexibles. These cables benefit from superior thermal and mechanical properties as compared to standard PVC insulated booklet armoured cables.

<b>CONSTRUCTION</b>	<b>CONDUCTORS</b> Stranded or solid plain annealed copper	<b>SHEATH</b> PVC
	<b>INSULATION</b> PVC or XLPE (cross linked polyethylene)	<b>VOLTAGE</b> 600/1000V
	<b>BEDDING</b> Extruded PVC	<b>OPERATING TEMP RANGE</b> -40° C to +90° C
	<b>ARMOUR</b> Galvanised steel wire armour	

<b>RELEVANT STANDARDS</b>	<b>CONDUCTORS</b> BS6360	<b>SHEATH</b> BS6746 Type 9
	<b>ARMOUR</b> BS1442	

<b>COLOUR CODE</b>	2 cores Red, Black.
	3 cores Red, Yellow, Blue.
	4 cores Red, Yellow, Blue, Black.
	5 cores + white insulation, Black numbers.
	Red, Yellow, Blue denote phase conductors, Black core denotes neutral.

<b>2 CORE (6942X)</b>	<b>CONDUCTOR SIZE</b>	<b>PVC NOMINAL O.D. mm</b>	<b>PVC WEIGHT kg/km</b>	<b>XLPE NOMINAL O.D. mm</b>	<b>XLPE WEIGHT kg/km</b>	<b>GLAND SIZE</b>
		1.5*	11.7	280	-	-
	1.5	12.3	298	12.4	305	20SS
	2.5*	13.1	350	-	-	20S
	2.5	13.6	355	13.2	352	20S
	4.0	15.1	460	14.3	419	20S
	6.0	16.5	550	15.4	498	20
	10.0	20.1	880	17.9	764	20
	16.0	21.4	990	21.9	900	25

*Installation is not recommended for PVC or XLPE below zero degrees Centigrade, as compound may become brittle.*

**3 CORE (6943X)**

CONDUCTOR SIZE mm <sup>2</sup>	PVC NOMINAL O.D. mm	PVC WEIGHT kg/km	XLPE NOMINAL O.D. mm	XLPE WEIGHT kg/km	GLAND SIZE
1.5*	12.3	310	-	-	20SS
1.5	12.8	344	12.9	338	20SS
2.5*	13.6	390	-	-	20S
2.5	14.1	413	13.8	397	20S
4.0	15.8	520	14.9	481	20
6.0	18.0	730	17.4	639	20
10.0	21.2	1010	18.9	908	20
16.0	23.1	1120	23.1	1220	25

**4 CORE (6944X)**

1.5*	13.0	350	-	-	20S
1.5	13.5	383	13.7	381	20S
2.5*	14.5	440	-	-	20S
2.5	15.0	470	14.7	452	20
4.0	17.8	710	16.2	563	20
6.0	19.2	850	18.3	795	20
10.0	22.8	1200	20.3	1064	25
16.0	26.3	1700	26.3	1780	25

**5 CORE (6945X)**

1.5*	13.8	390	-	-	20S
2.5*	15.4	495	-	-	20
4.0	19.0	795	-	-	20

**7 CORE (6947X)**

1.5*	14.5	445	-	-	20S
1.5	15.2	470	15.6	488	20S
2.5*	16.6	590	-	-	20
2.5	18.0	729	17.6	685	20
4.0	20.5	940	-	-	25

**10 CORE (6940/10X)**

1.5*	18.1	685	-	-	20
2.5*	20.9	895	-	-	25
4.0	26.1	1420	-	-	25

**12 CORE (6940/12X)**

1.5*	18.6	740	-	-	20
1.5	19.4	784	20.1	817	20
2.5*	21.4	975	-	-	25
2.5	22.4	1049	21.8	910	25
4.0	26.8	1560	-	-	25

\* Solid conductors.