600/1000 V XLPE INSULATED AND PVC SHEATHED CABLES
XLPE / PVC (IEC 60502-1)

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 clas 1)

Insulation : XLPE Compound

Filler (if necessary) : Suitable material

Sheath : PVC Compound type ST2

Colour Ident. : Insulation - Black with numbering code
Sheath - Black

TECHNICAL DATA

Voltage
Uo/U - 600/1000 V

Operating Temperature
Maximum 90°C

CONTROL CABLE : 1.5 mm² (Solid conductor)

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of Cond.	number of wire	Diameter of Conductor (approx.)					
	mm²	-	Number	mm	mm	mm	mm	kg/km	Ω/km
6	1.5	RE	1	1.38	0.7	1.8	12.5	200	12.1
7	1.5	RE	1	1.38	0.7	1.8	12.5	210	12.1
8	1.5	RE	1	1.38	0.7	1.8	13.5	240	12.1
9	1.5	RE	1	1.38	0.7	1.8	14.3	265	12.1
10	1.5	RE	1	1.38	0.7	1.8	15.5	295	12.1
12	1.5	RE	1	1.38	0.7	1.8	16.0	335	12.1
14	1.5	RE	1	1.38	0.7	1.8	16.5	380	12.1
15	1.5	RE	1	1.38	0.7	1.8	17.0	400	12.1
16	1.5	RE	1	1.38	0.7	1.8	17.5	425	12.1
18	1.5	RE	1	1.38	0.7	1.8	18.5	465	12.1
19	1.5	RE	1	1.38	0.7	1.8	18.5	480	12.1
20	1.5	RE	1	1.38	0.7	1.8	19.0	505	12.1
24	1.5	RE	1	1.38	0.7	1.8	21.5	600	12.1
30	1.5	RE	1	1.38	0.7	1.8	22.5	720	12.1
32	1.5	RE	1	1.38	0.7	1.8	23.0	760	12.1
37	1.5	RE	1	1.38	0.7	1.8	24.5	855	12.1
40	1.5	RE	1	1.38	0.7	1.8	25.5	920	12.1
50	1.5	RE	1	1.38	0.7	1.9	28.0	1125	12.1
52	1.5	RE	1	1.38	0.7	1.9	29.5	1210	12.1
60	1.5	RE	1	1.38	0.7	1.9	30.5	1330	12.1
61	1.5	RE	1	1.38	0.7	1.9	30.5	1350	12.1

Note RE : Round Solid Class 1

600/1000 V XLPE INSULATED AND PVC SHEATHED CABLES
XLPE / PVC (IEC 60502-1)

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 clas 2)
Insulation : XLPE Compound
Filler (if necessary) : Suitable material
Sheath : PVC Compound type ST2
Colour Ident. : Insulation - Black with numbering code
Sheath - Black

TECHNICAL DATA

Voltage
Uo/U - 600/1000 V
Operating Temperature
Maximum 90°C

CONTROL CABLE : 1.5 mm² (Stranded conductor)

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of Cond.	number of wire	Diameter of Conductor (approx.)					
	mm²	-	Number	mm	mm	mm	mm	kg/km	Ω/km
6	1.5	RM	7	1.6	0.7	1.8	13.0	210	12.1
7	1.5	RM	7	1.6	0.7	1.8	13.0	220	12.1
8	1.5	RM	7	1.6	0.7	1.8	14.0	250	12.1
9	1.5	RM	7	1.6	0.7	1.8	15.0	280	12.1
10	1.5	RM	7	1.6	0.7	1.8	16.5	310	12.1
12	1.5	RM	7	1.6	0.7	1.8	17.0	355	12.1
14	1.5	RM	7	1.6	0.7	1.8	17.5	400	12.1
15	1.5	RM	7	1.6	0.7	1.8	18.0	420	12.1
16	1.5	RM	7	1.6	0.7	1.8	18.5	445	12.1
18	1.5	RM	7	1.6	0.7	1.8	19.5	490	12.1
19	1.5	RM	7	1.6	0.7	1.8	19.5	500	12.1
20	1.5	RM	7	1.6	0.7	1.8	20.0	530	12.1
24	1.5	RM	7	1.6	0.7	1.8	22.5	630	12.1
30	1.5	RM	7	1.6	0.7	1.8	24.0	755	12.1
32	1.5	RM	7	1.6	0.7	1.8	24.5	795	12.1
37	1.5	RM	7	1.6	0.7	1.8	26.0	900	12.1
40	1.5	RM	7	1.6	0.7	1.8	27.0	965	12.1
50	1.5	RM	7	1.6	0.7	1.9	29.5	1185	12.1
52	1.5	RM	7	1.6	0.7	1.9	30.5	1230	12.1
60	1.5	RM	7	1.6	0.7	1.9	32.5	1395	12.1
61	1.5	RM	7	1.6	0.7	1.9	32.5	1415	12.1

Note RM : Circular Stranded Class 2

600/1000 V XLPE INSULATED AND PVC SHEATHED CABLES
XLPE / PVC (IEC 60502-1)

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1)

Insulation : XLPE Compound

Filler (if necessary) : Suitable material

Sheath : PVC Compound type ST2

Colour Ident. : Insulation - Black with numbering code
Sheath - Black

TECHNICAL DATA

Voltage
Uo/U - 600/1000 V

Operating Temperature
Maximum 90°C

CONTROL CABLE : 2.5 mm² (Solid conductor)

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of Cond.	number of wire	Diameter of Conductor (approx.)					
	mm²	-	Number	mm	mm	mm	mm	kg/km	Ω/km
6	2.5	RE	1	1.78	0.7	1.8	13.5	265	7.41
7	2.5	RE	1	1.78	0.7	1.8	13.5	290	7.41
8	2.5	RE	1	1.78	0.7	1.8	14.5	330	7.41
9	2.5	RE	1	1.78	0.7	1.8	16.0	370	7.41
10	2.5	RE	1	1.78	0.7	1.8	17.0	410	7.41
12	2.5	RE	1	1.78	0.7	1.8	17.5	465	7.41
14	2.5	RE	1	1.78	0.7	1.8	18.5	530	7.41
15	2.5	RE	1	1.78	0.7	1.8	19.0	565	7.41
16	2.5	RE	1	1.78	0.7	1.8	19.5	595	7.41
18	2.5	RE	1	1.78	0.7	1.8	20.5	655	7.41
19	2.5	RE	1	1.78	0.7	1.8	20.5	680	7.41
20	2.5	RE	1	1.78	0.7	1.8	21.0	715	7.41
24	2.5	RE	1	1.78	0.7	1.8	24.0	855	7.41
30	2.5	RE	1	1.78	0.7	1.8	25.5	1035	7.41
32	2.5	RE	1	1.78	0.7	1.8	26.0	1095	7.41
37	2.5	RE	1	1.78	0.7	1.8	27.5	1240	7.41
40	2.5	RE	1	1.78	0.7	1.9	28.5	1335	7.41
50	2.5	RE	1	1.78	0.7	2.0	31.5	1655	7.41
52	2.5	RE	1	1.78	0.7	2.0	32.5	1720	7.41
60	2.5	RE	1	1.78	0.7	2.0	34.5	1965	7.41
61	2.5	RE	1	1.78	0.7	2.0	34.5	1990	7.41

Note RE : Round Solid Class 1

600/1000 V XLPE INSULATED AND PVC SHEATHED CABLES
XLPE / PVC (IEC 60502-1)

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 2)

Insulation : XLPE Compound

Filler (if necessary) : Suitable material

Sheath : PVC Compound type ST2

Colour Ident. : Insulation - Black with numbering code
Sheath - Black

TECHNICAL DATA

Voltage

Uo/U - 600/1000 V

Operating Temperature

Maximum 90°C

CONTROL CABLE : 2.5 mm² (Stranded conductor)

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of Cond.	number of wire	Diameter of Conductor (approx.)					
	mm²	-	Number	mm	mm	mm	mm	kg/km	Ω/km
6	2.5	RM	7	2.0	0.7	1.8	14.5	280	7.41
7	2.5	RM	7	2.0	0.7	1.8	14.5	300	7.41
8	2.5	RM	7	2.0	0.7	1.8	15.5	340	7.41
9	2.5	RM	7	2.0	0.7	1.8	16.5	385	7.41
10	2.5	RM	7	2.0	0.7	1.8	18.0	425	7.41
12	2.5	RM	7	2.0	0.7	1.8	18.5	485	7.41
14	2.5	RM	7	2.0	0.7	1.8	19.5	555	7.41
15	2.5	RM	7	2.0	0.7	1.8	20.0	585	7.41
16	2.5	RM	7	2.0	0.7	1.8	20.5	620	7.41
18	2.5	RM	7	2.0	0.7	1.8	21.5	685	7.41
19	2.5	RM	7	2.0	0.7	1.8	21.5	705	7.41
20	2.5	RM	7	2.0	0.7	1.8	22.0	745	7.41
24	2.5	RM	7	2.0	0.7	1.8	25.0	890	7.41
30	2.5	RM	7	2.0	0.7	1.8	26.5	1075	7.41
32	2.5	RM	7	2.0	0.7	1.8	27.0	1140	7.41
37	2.5	RM	7	2.0	0.7	1.8	28.5	1290	7.41
40	2.5	RM	7	2.0	0.7	1.9	30.0	1390	7.41
50	2.5	RM	7	2.0	0.7	2.0	33.0	1710	7.41
52	2.5	RM	7	2.0	0.7	2.0	34.0	1790	7.41
60	2.5	RM	7	2.0	0.7	2.0	36.0	2040	7.41
61	2.5	RM	7	2.0	0.7	2.0	36.0	2070	7.41

Note RM : Circular Stranded Class 2