

# XLPE Insulated PVC Sheathed Power Cables



**Rated voltage:** 600/1000V

**Reference standard:** IEC60502-1, BS 7889

**Conductor:** Plain annealed copper solid or stranded conductor complying with BS EN 60228 Class 1 or Class 2

**Insulation:** 90° C cross-linked XLPE insulation

**Core Colour :** 1 core: Brown or Blue

2 core: brown, blue

3 core: brown, black, blue

4 core: brown, black, grey, blue

5 core: brown, black, grey, blue, green/yellow

**Sheath:** PVC Sheath

Normally black but others available on request

**Max. operating temperature:** 90°C

**Application:** Suitable for power transmission, distribution, and lighting systems

HILLY CABLES

Cross-sectional Area (mm <sup>2</sup> )	No. of wire (Nos)	Thickness of Insulation mm	Thickness of Sheath mm	Reference overall diameter (mm)	Reference weight (kg/km)	Max. DC resistance at 20°C Ω/km
<b>Single core</b>						
1×10	7	0.7	1.4	8.3	145	1.83
1×16	7	0.7	1.4	9.4	205	1.15
1×25	7	0.9	1.4	11.1	307	0.727
1×35	7	0.9	1.4	12.2	405	0.524
1×50	19	1.0	1.4	13.7	534	0.387
1×70	19	1.1	1.5	15.9	745	0.268
1×95	19	1.1	1.6	17.8	991	0.193
1×120	37	1.2	1.7	19.9	1248	0.153
1×150	37	1.4	1.7	21.7	1511	0.124
1×185	37	1.6	1.8	24.3	1891	0.0991
1×240	61	1.7	1.9	27.1	2447	0.0754
1×300	61	1.8	2.0	30.0	3044	0.0601
1×400	61	2.0	2.1	33.6	3890	0.0470
1×500	61	2.2	2.2	37.6	4966	0.0366
1×630	61	2.4	2.3	41.8	6295	0.0283
1×800	91	2.6	2.4	46.7	8015	0.0221
1×1000	305	2.8	2.6	50.4	9865	0.0176
<b>Two cores</b>						
2×1.5	1	0.7	1.8	9.5	104	12.1
2×2.5	1	0.7	1.8	10.3	130	7.41
2×4	1	0.7	1.8	11.2	176	4.61
2×6	1	0.7	1.8	12.2	225	3.08
2×10	7	0.7	1.8	14.9	336	1.83
2×16	7	0.7	1.8	16.9	469	1.15
2×25	7	0.9	1.8	20.3	700	0.727
2×35	7	0.9	1.8	22.6	917	0.524
2×50	19	1.0	1.8	25.5	1200	0.387
2×70	19	1.1	1.8	29.8	1650	0.268
2×95	19	1.1	1.9	33.8	2200	0.193
2×120	37	1.2	2.0	37.6	2750	0.153
2×150	37	1.4	2.2	41.6	3400	0.124
2×185	37	1.6	2.3	46.6	4200	0.0991
2×240	61	1.7	2.5	52.3	5525	0.0754
2×300	61	1.8	2.6	58.1	6800	0.0601
2×400	61	2.0	2.9	65.3	8700	0.0470

HILLY CABLES

Cross-sectional Area (mm <sup>2</sup> )	No. of wire (Nos)	Thickness of Insulation mm	Thickness of Sheath mm	Reference overall diameter (mm)	Reference weight (kg/km)	Max. DC resistance at 20°C Ω/km
<b>Three cores</b>						
3×1.5	1	0.7	1.8	10.0	126	12.1
3×2.5	1	0.7	1.8	10.8	161	7.41
3×4	1	0.7	1.8	11.8	230	4.61
3×6	1	0.7	1.8	12.9	303	3.08
3×10	7	0.7	1.8	15.7	453	1.83
3×16	7	0.7	1.8	17.9	644	1.15
3×25	7	0.9	1.8	21.6	960	0.727
3×35	7	0.9	1.8	24.1	1270	0.524
3×50	14	1.0	1.8	27.3	1567	0.387
3×70	14	1.1	1.9	31.8	2200	0.268
3×95	19	1.1	2.0	36.1	2932	0.193
3×120	24	1.2	2.1	33.7	3700	0.153
3×150	30	1.4	2.3	38.6	4600	0.124
3×185	37	1.6	2.4	41.8	5700	0.0991
3×240	48	1.7	2.6	47.2	7400	0.0754
3×300	60	1.8	2.7	51.7	9300	0.0601
3×400	61	2.0	3.0	68.8	12000	0.0470
<b>Four cores</b>						
4×1.5	1	0.7	1.8	10.8	171	12.1
4×2.5	1	0.7	1.8	11.8	221	7.41
4×4	1	0.7	1.8	12.8	281	4.61
4×6	1	0.7	1.8	14.1	363	3.08
4×6	7	0.7	1.8	15.0	382	3.08
4×10	7	0.7	1.8	17.2	565	1.83
4×16	7	0.7	1.8	19.7	805	1.15
4×25	7	0.9	1.8	23.8	1241	0.727
4×35	7	0.9	1.8	26.6	1607	0.524
4×50	14	1.0	1.8	30.1	2049	0.387
4×70	14	1.1	2.0	35.3	2900	0.268
4×95	19	1.1	2.1	40.1	3900	0.193
4×120	24	1.2	2.3	44.8	4900	0.153
4×150	30	1.4	2.4	49.5	6000	0.124
4×185	37	1.6	2.6	55.5	7500	0.0991
4×240	48	1.7	2.8	62.4	9900	0.0754
4×300	60	1.8	3.0	69.3	12200	0.0601
4×400	61	2.0	3.3	78.0	15800	0.0470

**HILLY CABLES**

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<b>Five cores</b>						
5×1.5	1	0.7	1.8	11.6	180	12.1
5×2.5	1	0.7	1.8	12.6	241	7.41
5×4	1	0.7	1.8	13.9	332	4.61
5×6	1	0.7	1.8	15.2	446	3.08
5×10	7	0.7	1.8	18.8	682	1.83
5×16	7	0.7	1.8	21.5	983	1.15
5×25	7	0.9	1.8	26.2	1499	0.727
5×35	7	0.9	1.8	29.3	2002	0.524
5×50	14	1.0	1.9	33.4	2625	0.387
5×70	14	1.1	2.1	36.7	3667	0.268
5×95	19	1.1	2.2	42.1	4926	0.193
5×120	24	1.2	2.4	49.7	6200	0.153
5×150	30	1.4	2.6	55.2	7600	0.124
5×185	37	1.6	2.7	61.7	9400	0.0991
5×240	48	1.7	3.0	69.5	12300	0.0754
5×300	60	1.8	3.2	77.2	15200	0.0601
5×400	61	2.0	3.5	86.9	19700	0.0470
<b>Six cores</b>						
6×6	1	0.7	1.8	16.4	512	3.08
<b>Seven cores</b>						
7×1.5	1	0.7	1.8	12.4	218	12.1
7×2.5	1	0.7	1.8	13.5	292	7.41
7×4	1	0.7	1.8	14.9	421	4.61
7×6	1	0.7	1.8	16.4	571	3.08
7×10	7	0.7	1.8	20.3	885	1.83
7×16	7	0.7	1.8	23.4	1294	1.15
7×25	7	0.9	1.8	28.8	2000	0.727
7×35	7	0.9	1.9	32.4	2698	0.524