

# XLPE Insulated and OHLS sheathed Power Cable



**Standard:** BS 7889

**Voltage rating:** 600/1000v

**Application:** To be in tunnel, cable furrow or pipe, the cable couldn't bear mechanical force outside and underground, the cable could bear certain mechanical force, but it couldn't bear great pulling force.

**Construction:** Single core and Multi Core Cable. Solid or Stranded Plain copper, XLPE Insulated OHLS sheathed.

**Insulation colour:** single core: Brown or Blue

Two core: Brown and Blue

Three core: Brown, Blue and Grey

Four core: Grey, Black, Brown and Blue

Five core: Green/Yellow, Black, Brown, Blue and Grey

**Maximum conductor temperature:** 90

**Maximum conductor temperature during short circuit:** 250° C

Fire performance characteristics:

**Smoke emission:** > 60% light transmittance

BS EN 50268, IEC 61034.

**Acid gas emission:** < 0.5 HCl

BS EN 50267, IEC 60754-1.

**Flame propagation:** Single cable

BS EN 50265, IEC 60332-1.

## XLPE Insulated and OHLS sheathed Power Cables

Nom. core Sec. area of conductor	Insulated thickness	Sheathed thickness	Approx. dia of cable	Cable approx. weight		D.C resistance		Test Voltage (ac)
				CU	AL	20° C CU	20° C AL	

[www.zmscable.com](http://www.zmscable.com)


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mm <sup>2</sup>	mm	mm	mm	Kg/km	Kg/km	Ω/km	Ω/km	Kv/5min
1.5	0.7	1.4	5.6	54.2	44.1	12.1	-	3.5
2.5	0.7	1.4	6	67.9	51.2	7.41	12.1	3.5
4	0.7	1.4	6.4	93.7	67.3	4.61	7.41	3.5
6	0.7	1.4	6.9	118.6	81.1	3.08	4.61	3.5
10	0.7	1.4	8.2	178.1	99.4	1.83	3.08	3.5
16	0.7	1.4	9.2	249.4	141.3	1.15	1.91	3.5
2×1.5	0.7	1.8	10.2	127.2	106.9	12.1	-	3.5
2×2.5	0.7	1.8	10.9	160.3	126.1	7.41	12.1	3.5
2×4	0.7	1.8	12.2	224.5	171	4.61	7.41	3.5
2×6	0.7	1.8	13.2	282.2	205.2	3.08	4.61	3.5
2×10	0.7	1.8	15.8	420.1	258.7	1.83	3.08	3.5
2×16	0.7	1.8	17.9	578.3	357	1.15	1.91	3.5
3×1.5	0.7	1.8	10.6	151.8	120.8	12.1	-	3.5
3×2.5	0.7	1.8	11.4	199.9	148.6	7.41	12.1	3.5
3×4	0.7	1.8	12.9	283.3	202	4.61	7.41	3.5
3×6	0.7	1.8	14	358.1	242.6	3.08	4.61	3.5
3×10	0.7	1.8	16.8	549.4	310	1.83	3.08	3.5
3×16	0.7	1.8	19	778.2	447.9	1.15	1.91	3.5
4×1.5	0.7	1.8	10.8	177.4	-	12.1	-	3.5
4×2.5	0.7	1.8	12.3	248	180.6	7.41	12.1	3.5
4×4	0.7	1.8	14	344.2	236.2	4.61	7.41	3.5
4×6	0.7	1.8	15.2	451.1	289.7	3.08	4.61	3.5
4×10	0.7	1.8	18.3	693.7	414.7	1.83	3.08	3.5
4×16	0.7	1.8	20.8	985.6	544.1	1.15	1.91	3.5
5×1.5	0.7	1.8	11.7	206.3	-	12.1	-	3.5
5×2.5	0.7	1.8	13.3	290.7	206.3	7.41	12.1	3.5
5×4	0.7	1.8	15.2	421.2	286.5	4.61	7.41	3.5
5×6	0.7	1.8	16.5	544.1	346.3	3.08	4.61	3.5
5×10	0.7	1.8	20.1	846.6	492.8	1.83	3.08	3.5
5×16	0.7	1.8	22.8	1201.5	649.9	1.15	1.91	3.5

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