



● Application

The Copper PVC Straight Concentric Cable is primarily used as an energy supply cable and is commonly deployed in areas requiring mechanical protection, such as panel boards, street lighting, and power station distribution.

● Performance

Electrical Performance: Rated voltage U_0/U : 0.6/1kV
 Mechanical Performance: Minimum bending radius: 8 times the overall diameter
 Terminal Performance:
 Maximum Service Temperature: 70°C
 Minimum Service Temperature: -15°C
 Fire Performance: Flame Retardant according to IEC/EN 60332-1-2 Standard

● Construction

Conductor: Class 2 copper
 Insulation: Cross-linked polyethylene (XLPE) Insulation
 Concentric Neutral/Earth Conductor: One layer of plain copper wires
 Sheath: Polyvinyl Chloride (PVC) Sheath
 Sheath Colour: Black

● Specification

-BS 7870-3-11, LV and MV polymeric insulated cables with rated voltage 0.6/1 kV for use by distribution and generation utilities
 -EN 60228 Aluminium LSZH Concentric Cables

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
 CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
 We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

No. of Cores	Nominal Cross Section Area	Nominal Overall Dia.	Max. D.C. Resistance of Conductor at 20°C	Max. D.C. Resistance of Concentric Conductor at 20°C	Concentric Cable Current Carrying Capacity		
					In Air	Clipped Direct	Enclosed in Conduit on a Wall
-	mm ²	mm	Ω/km	Ω/km	A	A	A
1	4	8.5	4.61	4.8	42	41	37
1	16	12	1.15	1.2	100	99	88
1	25	14	0.727	0.76	135	130	117

Note:

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C