



● Application

The term "concentric cable" refers to a cable with two concentric conductors sharing the same axis. It is commonly used in distribution networks, current surface boards, meters, or circuit panels, suitable for installation immediately underground or outdoors. These cables also support high-bandwidth communications on reasonably long lines without repeaters, even in dry and humid environments.

● Performance

Electrical Performance:

Rated voltage U_0/U : 0.6/1kV

Voltage Rating: 600/1000 Volts

Chemical Performance: Resistant to chemicals, UV, and oil

Mechanical Performance: Minimum bending radius: 12 times the overall diameter

Terminal Performance:

Maximum Service Temperature: 90°C

Minimum Service Temperature: -15°C

● Construction

Conductor: Plain Annealed Stranded Copper Phase Conductor

Insulation: XLPE (Cross-linked polyethylene) insulated, surrounded by a concentric layer of plain annealed solid copper neutral conductors

Armour: Plain Annealed Solid Strand Bare Copper Earth Conductors with XLPE Insulation

Sheath: PVC (Polyvinyl Chloride)

Sheath Colour: Black

● Specification

-IEC 60502-1 IEC 60228 Standard 0.6/1kV Concentric Cable

● 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 Rheinland 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

Nominal Cross Section Area	Structure Size								Copper Cable
	Conductor			Insulation	Concentric Conductor		Outer Sheath		
	Single Wire		Dia.	PVC	Single Wire		UV-PVC		
	No.	Dia.		Thickness	No.	Dia.	Thickness	Dia.	
mm ²	-	mm	mm	mm	-	mm	mm	mm	kg/km
10	7	1.35	4.05	1.55	20	0.85	1.4	11.79	301.55
16	7	1.7	5.1	1.55	32	0.85	1.4	12.84	431.7
25	7	2.14	6.42	1.6	29	1.13	1.5	15.02	647.46
Aluminum Cable									
16	7	1.7	5.1	1.55	26	1.13	1.4	13.42	244.16
25	7	2.14	6.42	1.6	29	1.13	1.5	15.02	307.3
35	19	1.53	7.65	1.65	27	1.35	1.6	16.99	390.15