



● **Application**

The ASTM D2655 Concentric Cable is commonly employed by Distribution Network Operators to connect electrical networks and towers to residential or commercial properties. It is suitable for direct burial and finds application as sub mains in high-rise towers and street lighting systems. The Concentric Cable comprises a plain annealed stranded copper phase conductor, XLPE insulation surrounded by a concentric layer of plain annealed solid copper neutral conductors, XLPE-insulated and plain annealed solid strand bare copper earth conductors, and a black PVC outer sheath.

● **Performance**

Electrical Performance:  $U_0/U$ : 0.6/1kV  
 Voltage Rating: 600/1000 Volt  
 Chemical Performance: Exhibits chemical, UV, and oil resistance  
 Mechanical Performance: Minimum bending radius: 12 x overall diameter  
 Terminal Performance:  
 Maximum Service Temperature: 90°C  
 Minimum Service Temperature: -15°C

● **Construction**

Conductor: Plain Annealed Stranded Copper Phase Conductor  
 Insulation: XLPE insulated surrounded by a concentric layer of plain annealed solid copper neutral conductors  
 Armour: XLPE Insulated and Plain Annealed Solid Strand Bare Copper Earth Conductors  
 Sheath: PVC  
 Sheath Colour: Black

● **Specification**

-ASTM D2655 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

Core	AWG	Structure Size							Copper Cable
		Conductor Single Wire		Insulation XLPE	Concentric Conductor Single Wire		Outer Sheath UV-PVC		
		No.	Dia.	Thickness	No.	Dia.	Thickness	Dia.	
-	-	-	mm	mm	-	mm	mm	mm	kg/km
1	16	7	0.49	1.14	39	0.321	1.14	6.82	81.46
1	10	7	0.98	1.14	34	0.511	1.14	8.67	172.04
1	8	7	1.23	1.14	25	0.643	1.14	9.68	221.58
1	6	7	1.55	1.14	25	0.813	1.14	10.98	160.5
1	4	7	1.96	1.14	27	1.02	1.14	12.62	509.26

