



## • Application

PVC-jacketed concentric neutral wire is commonly used by Distribution Network Operators (DNOs) to establish the final connection to residential homes. Additionally, Split Concentric Wire finds utility in sub-main distribution, particularly in high-rise structures and street lighting systems.

## • Performance

Electrical Performance  $U_0/U$ : 0.6/1kV  
 Mechanical Performance: Minimum bending radius: 8 x 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 solid Aluminium conductor  
 Insulation: XLPE  
 Neutral Conductor: Plain copper wires covered by a blue polymeric compound  
 Earth Continuity Conductor: Plain copper wires  
 String Separator: Non-hygroscopic separator  
 Sheath: PVC  
 Sheath Colour: Black

## • Specification

-BS 7870-3-21: 2011 LV and MV polymeric insulated cables for use by distribution and generation utilities - Part 3-21: Specification for distribution cables of rated voltage 0.6/1 kV with aluminium conductors and split concentric protective neutral.  
 -EN 60228 Standard Aluminium LSZH Split 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 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. Dc Resistance of Concentric Conductor at 20°C			Concentric Cable Current Carrying Capacity		
			Phase	Neutra	Earth	In Air	Clipped Direct	Enclosed in Conduit on a Wall
-	mm <sup>2</sup>	mm	Ω/km	Ω/km	Ω/km	A	A	A
1	25	15	1.2	1.2	1.2	127	119	105
1	35	16	0.868	0.76	1.2	158	147	128
3	25	23.5	1.2	1.2	1.2	97	90	84
3	35	26	0.868	0.76	1.2	120	112	103

Note:

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C