



## • Application

Aluminium LSZH Concentric Cables are commonly utilized as energy supply cables in regions requiring mechanical protection, such as panel boards, street lights, and power station distribution. They are also suitable for sub-main distribution, high-rise structures, and street lighting systems.

## • Performance

Electrical Performance:  $U_0/U$ : 0.6/1kV

Chemical Performance: Exhibits good chemical resistance, UV resistance, and oil resistance

Mechanical Performance: Minimum bending radius: x10 overall diameter

Terminal Performance:

Maximum Service Temperature: 90°C

Maximum Short-Circuit Temperature: 250°C (max. 5s)

Minimum Service Temperature: -40°C

Fire Performance:

Flame Retardant according to IEC/EN 60332-1 standard

Reduced Emission of Halogens: Chlorine <15%

## • Construction

Conductor: Class 1 solid Aluminium conductor

Insulation: XLPE (Cross-linked polyethylene)

Concentric Neutral / Earth Conductor: Single layer of plain copper wires

Sheath: LSZH (Low Smoke Zero Halogen)

Sheath Colour: Orange

## • 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 <sup>2</sup>	mm	Ω/km	Ω/km	A	A	A
1	25	13	1.2	1.3	127	119	105
1	35	14	0.868	0.91	158	147	128
3	25	23	1.2	1.3	97	90	84
3	35	25	0.868	0.91	120	112	103

Note:

Conductor Operating Temperature: 90°C

Ambient Temperature: 30°C