Application

Aluminium LSZH Split Concentric Cables are commonly utilized by Distribution Network Operators (DNOs) for establishing the final service connection to residential homes. These cables are also suitable for sub-main distribution and have demonstrated effectiveness in systems used in high-rise structures and public lighting. They are designed to be buried in free-draining soil or installed in the air.

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 1 solid aluminium conductor
Insulation: XLPE (Cross-linked polyethylene)
Neutral Conductor: Plain copper wires covered by a blue polymeric compound
Earth Continuity Conductor: Plain copper wires
String Separator: Non-hydroscopic separator
Sheath: LSZH (Low Smoke Zero Halogen)
Sheath Colour: Orange

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. 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	25	15	1.2	1.2	127	119	105
1	35	16	0.868	0.76	158	147	128
3	25	23.5	1.2	1.2	97	90	84
3	35	26	0.868	0.76	120	112	103

Note:
Conductor Operating Temperature: 90°C
Ambient Temperature: 30°C