



• Application

These flexible single-core XLPE insulated LSZH sheath cables are specifically designed for D.C. power supplies in telecoms equipment and other power applications where flexibility is a crucial requirement. They are particularly suitable for installations where there's a potential risk of fire, smoke emission, and toxic fumes endangering life and equipment.

• Performance

Electrical performance U_0/U : Up to 35mm²: 450/750V; 50mm² and above: 0.6/1kV

Chemical performance: Resistant to chemicals, UV, and oil

Mechanical performance: Minimum bending radius: 12 x overall diameter

Terminal performance:

Maximum service temperature: 90°C

Maximum short-circuit temperature: 250°C (Max. 5s)

Minimum service temperature: -10°C

Fire performance:

Flame retardant according to IEC/EN 60332-1-2 standard

Reduced emission of halogens chlorine <15%

• Construction

Conductor: Class 5 annealed copper conductor

Insulation: XLPE (Cross-linked Polyethylene)

Sheath: LSZH (Low Smoke Zero Halogen)

Sheath Colour: Blue, Gray, Green/Yellow, other available colors comply with request.

• Specification

-BS 7211, IEC 60502-1, EN 60228

• 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

Physical Performance Parameters						
No. of Cores	Nominal Cross Section Area	Max. Dia. of Individual Wires in Conductor	Nominal Thickness of Insulation	Nominal Thickness of Outer Sheath	Nominal Overall Dia.	Nominal Weight
-	mm ²	mm	mm	mm	mm	kg/km
1	1.5	0.26	0.7	0.8	4.51	31
1	2.5	0.26	0.7	0.8	4.95	42
1	4	0.31	0.7	0.9	5.65	59
1	6	0.31	0.7	0.9	6.80	82
1	10	0.41	0.7	0.9	7.10	121
1	16	0.41	0.7	0.9	8.40	177
1	25	0.41	0.9	1.0	10.3	266
1	35	0.41	0.9	1.1	11.5	365
1	50	0.41	1.0	1.4	14.9	535
1	70	0.51	1.1	1.4	16.3	723
1	95	0.51	1.1	1.5	18.6	940
1	120	0.51	1.2	1.5	20.8	1183
1	150	0.51	1.4	1.6	22.2	1468
1	185	0.51	1.6	1.7	24.3	1785
1	240	0.51	1.7	1.8	27.8	2310

Electrical Performance Parameters					
No. of Cores	Nominal Cross Section Area	Max. D.C. Resistance of Conductor at 20°C	Voltage Drop	Current Carrying Capacity	
	mm ²	Ω/km	mV/A/m	in air	in earth
-	mm ²	Ω/km	mV/A/m	A	A
1	1.5	13.3	26.6	27	41
1	2.5	7.98	15.96	35	55
1	4	4.95	9.9	47	71
1	6	3.3	6.6	59	90
1	10	1.91	3.82	81	124
1	16	1.21	2.42	107	160
1	25	0.78	1.56	144	208
1	35	0.554	1.108	176	250
1	50	0.386	0.772	214	296
1	70	0.272	0.544	270	365
1	95	0.206	0.412	334	438
1	120	0.161	0.322	389	501
1	150	0.129	0.258	446	563
1	185	0.106	0.212	516	639
1	240	0.0801	0.1602	618	716