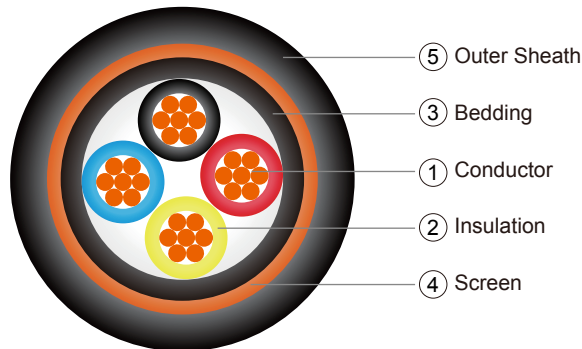


## CU/XLPE/LSZH/CT/LSZH (4 Cores)

XLPE Insulated, LSZH Bedded, Copper Tape Screened, LSZH Sheathed Cable

### Application

These power cable for fixed installations such as distribution networks or industrial installations.  
Such as Plant engineering; Industrial machinery; Heating and air-conditioning systems; Power stations; Stage applications etc.



### Construction

① Conductor: Plain annealed copper, class1 solid or class 2 stranded acc. to IEC 60228.  
Flexible class 5 or tinned conductor could be offer upon request.

② Insulation: Cross-linked polyethylene (XLPE) compound as per IEC 60502-1.  
Insulation Color Code:

Number of Cores	Color Code to IEC 60502-1	Color Code to BS 5467
4	Red, Yellow, Blue, Black	Brown, Black, Grey, Blue

Assembly: Cores cabled together with PP filler and covered with non-woven tape.

③ Bedding: Low smoke zero halogen (LSZH) compound type ST8 (90°C) of IEC 60502-1.  
Bedding Colour: Black or other color as per customer request.

④ Armour: Copper tape.

⑤ Outer Sheath: Low smoke zero halogen (LSZH) compound type ST8 (90°C) of IEC 60502-1.  
Outer Sheath Color: Black or other color as per customer request.

### Electrical Characteristics

Recommended rated voltages  $U_0$

Highest system voltage ( $U_m$ ) (kV)	Rated voltage ( $U_0$ ) (kV)	
	Categories A and B	Category C
1,2	0,6	0,6

Routine test voltages

Rated voltage $U_0$ (kV)	0,6
Test voltage (kV)	3,5

Maximum conductor temperatures for different types of insulating compound

Maximum conductor temperature (°C)	
Normal operation	Short-circuit (5 s maximum duration)
90	250

Operating Temperature: -15°C to 90°C

Test Voltage: 3.5 kV for 5 minutes

### Reference Standards

Design Specification: IEC60502-1

Conductor: IEC60228, BS EN60228

Flame Retardancy: IEC60332-3-22, BS EN60332-3-22

Low Smoke Zero Halogen: IEC61034-2, BS EN61034-2, IEC60754-1, IEC60754-2, BS EN50267-2-1, BS EN50267-2-2

### Installation Reference

Min.Bending Radius (mm): 8 x cable overall diameter

Max.Pulling Tension (N/mm<sup>2</sup>): 50

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#### Dimension

Nominal Conductor Area(mm <sup>2</sup> )	No.and Diameter of Wires (no./mm)	Thickness of Insulation (mm)	Diameter Under Screen (mm)	Overall Diameter (mm)	Approximate Weight (kg/km)
4x1.5	7/0.53	0.7	9.7	14.4	371
4x2.5	7/0.67	0.7	10.7	15.4	441
4x4	7/0.85	0.7	12.0	16.7	544
4x6	7/1.04	0.7	13.4	18.1	668
4x10	7/1.35	0.7	15.6	20.3	907
4x16	7/1.70	0.7	18.2	22.9	1229
4x25	7/2.14	0.9	22.3	27.0	1770
4x35	7/2.52	0.9	25.1	29.8	2264
4x50	19/1.78	1.0	25.4	30.3	2721
4x70	19/2.14	1.1	29.8	34.9	3734
4x95	19/2.52	1.1	33.5	39.0	5069
4x120	37/2.03	1.2	37.3	43.0	6254
4x150	37/2.25	1.4	42.8	48.9	7622
4x185	37/2.52	1.6	47.4	53.7	9333
4x240	61/2.25	1.7	54.7	61.8	12296
4x300	61/2.52	1.8	60.6	67.9	15030