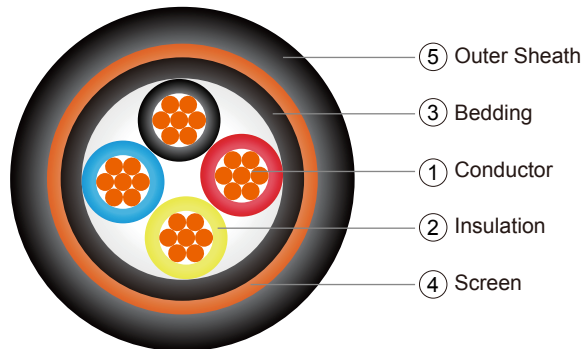


CU/XLPE/LSZH/CT/LSZH (4 Cores)

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/mm²): 50

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Dimension

Nominal Conductor Area(mm ²)	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