

Power Cable

Cu Conductor, XLPE Insulated, Armoured/Unarmoured, LSOH Flame Retardant Cable (U₀/U/Um 0.6/1(1.2kV))

APPLICABLE STANDARDS

- Standard: IEC60502-1
- Flame retardant: IEC60332-3
- Low smoke: IEC61034
- Halogen free: IEC60754
- Fire resistant: IEC60331

CONSTRUCTION

- Conductor: plain annealed copper, IEC 60228 cl.1 solid or cl.2 stranded type
- Insulation: XLPE compound
- Unarmoured / armoured(steel tape or steel wire)
- Outer sheath: LSOH Flame Retardant, ST8 conforms to IEC 60502-1, black

TECHNICAL INFORMATION

- Nominal voltage: U₀/U/Um 0.6/1(1.2kV)
- Test voltage: 3.5kV AC
- Temperature range: -15°C ~ +90°C
- Max. short circuit temperature: 250°C Short circuit time: 5s
- Minimum bending radius:
 - For single core approx. 20D(unarmoured), 15D(armoured)
 - For multi core approx. 15D(unarmoured), 12D(armoured)

APPLICATION

The product is suitable for power transmission and distribution and can be used in construction, large mall, hospital, gymnasium, station, subway, port, wharf and other public places. The product has excellent electrical performance and mechanical and physical performance. It is flame retardant, halogen free, low smoke low toxicity and without lead, cadmium, phosphorus. The gas emitted has little harm to people and surrounding facilities, so it has high safety. Meanwhile, it will not pollute the environment for using and abandoning. For laying in doors, in tunnels and in cable trench, able to bear external mechanical forces.

TECHNICAL DATA

Cross-sectional area	Type of conductor	Approx.Diam.of conductor	Insulation thickness	Flame retardant	Cores of the cable
mm ²	--	mm	mm	Class Level	No.
1.5	RE	1.4	0.7	A, B, C	2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
2.5	RE	1.8	0.7	A, B, C	2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
4	RE	2.3	0.7	A, B, C	2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
6	RE	2.8	0.7	A, B, C	2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
10	RM	4.1	0.7	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
16	RM	5.1	0.7	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
25	RM	6.4	0.9	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
35	RM	6.9	0.9	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
50	RM	8.3	1.0	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
70	RM	9.8	1.1	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
95	RM	11.5	1.1	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
120	RM	13.0	1.2	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
150	RM	14.5	1.4	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
185	RM	16.1	1.6	A, B, C	1C, 2C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
240	RM	18.4	1.7	A, B, C	1C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
300	RM	20.6	1.8	A, B, C	1C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
400	RM	23.5	2.0	A, B, C	1C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C
500	RM	26.5	2.2	A, B, C	1C, 3C, 4C, 5C, 2+1C, 3+1C, 4+1C, 3+2C

Note: RE-solid conductor, RM-stranded conductor. Specifications contained herein reflect current data and are subject to change. Values are nominal or approximate, can be customized by your needs.