

江苏上上电缆集团有限公司

Jiangsu Shangshang Cable Group Co., Ltd.

Ref.No.编号: SS-LH-210111

Technical Specification for LV Power Cable, single core, 0.6/1kV, stranded circular compacted plain annealed copper conductor, XLPE insulation, lapped PE tape inner bedding, non-magnetic stainless steel tape armoured and PVC outer sheathed (Type: CU/XLPE/SUSDSTA/PVC)

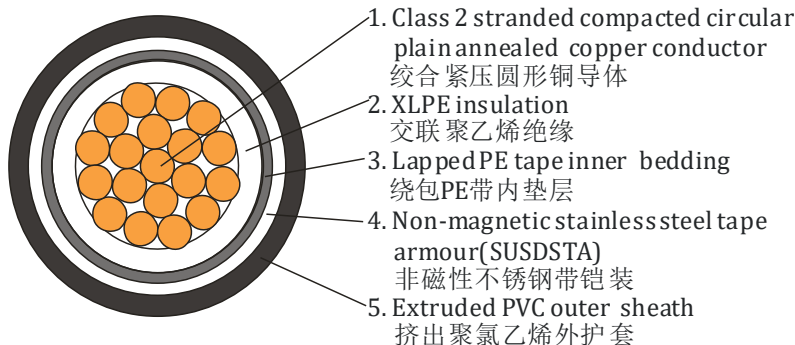
铜导体/交联聚乙烯绝缘/非磁性不锈钢带铠装/聚氯乙烯外护套低压单芯电缆技术规格书

1. Factory Cable type & size: YJV62-0.6/1kV 1×300mm², YJV62-0.6/1kV 1×400mm²
2. Rated Voltage: U₀/U=0.6/1kV, U_m=1.2kV
3. Reference standards: IEC60502-1, IEC60228 class 2
4. Operating Conditions:
 - Maximum conductor operating temperature 导体长期最高工作温度: 90°C
 - Maximum short circuit temperature 最大导体短路温度: 250°C (Max. duration 5sec.)
 - Operating ambient temperature scope 运行环境温度范围: -40°C ~ +50°C
 - Minimum ambient temperature for installation 电缆安装最低环境温度: 0°C

The cable shall be preheated before installation when ambient temperature is below 0°C.
当环境温度低于 0°C时, 敷设前电缆必须预热。

 - Minimum bending radius of cable 电缆安装最小弯曲半径:
 - ◇ During installation 安装过程中: 20D
 - ◇ After installed 安装后: 15D

Note: D is actual overall diameter of cable
5. Insulation core identification color: natural colour 绝缘识别: 自然色
6. Outer sheath colour: black 外护套颜色: 黑色
7. Cable cross-sectional drawing (Not to scale) 电缆结构示意图(不按比例):



7. Cable construction data sheet:

| Item | Description | Unit | Offered Data | |
|------|---|-------------|------------------------|------------------------|
| 1 | Manufacturer's type and size | | YJV62-0.6/1kV 1×300 | YJV62-0.6/1kV 1×400 |
| 2 | Copper Conductor: -Nominal conductor diameter | mm | 20.6 | 23.3 |
| 3 | XLPE insulation: -Nominal thickness -Minimum thickness | mm mm | 1.8 1.52 | 2.0 1.70 |
| 4 | Number of layers and nominal thickness of armoured steel tape | No. * mm | 2 * 0.2 | 2 * 0.2 |
| 6 | PVC Outer sheath: - Nominal thickness - Minimum thickness | mm mm | 1.9 1.32 | 2.0 1.40 |
| 7 | Approx. overall diameter of cable | mm | 31.5 | 34.8 |
| 8 | Approx. weight of cable | kg/km | 3322 | 4163 |

7. **Cable marking on the outer sheath:** to be made by inkjet printing method with the following information. For example:

JIANGSU SHANGSHANG CABLE GROUP ELECTRIC CABLE 0.6/1KV TO IEC60502-1 CU/XLPE/SUSDSTA/PVC
1C×300MM2 YR 2021 PO.NO.xxxxx xxxxxM

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