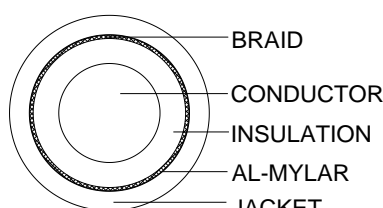




| | |
|---|---|
| Customer name 客户名称: | Admission number 固臣承认书号: NX-QZJP21-E/SIR001 |
| Customer drawing number 客户料号: | Version number: 版本号: A |
| Design time 设计时间: 2023-11-8 | Version of reason (升版原因) |
| Describe 结构描述: QZJP21-E/SIR 1000/1500V 1x2.5~120mm2 | Guchen Serial number 固臣量产料号 |
| Packing 包装: | Designer 设计工程: Owen Auditor 审核人: LZA |
| | 是否要求保护: |

| Construction (结构) | | | | | | | | | | | |
|-------------------------------------|-------------------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Conductor (导体材质) | | | | | | | | | | | |
| BARE STRANDED COPPER CONDUCTOR | | | | | | | | | | | |
| AWG (线规) | 2.5mm ² | 4mm ² | 6mm ² | 10mm ² | 16mm ² | 25mm ² | 35mm ² | 50mm ² | 70mm ² | 95mm ² | 120mm ² |
| Construction(mm) (导体结构) | 80/0.20 | 128/0.20 | 196/0.20 | 322/0.20 | 511/0.20 | 798/0.20 | 1121/0.20 | 1596/0.20 | 2242/0.20 | 3040/0.20 | 3838/0.20 |
| Stranded Dia. (mm) (导体线径) | 2.07 Ref. | 2.7 Ref. | 3.2 Ref. | 4.2 Ref. | 5.6 Ref. | 7.0 Ref. | 8.2 Ref. | 10 Ref. | 11.5 Ref. | 13.7 Ref. | 15.5 Ref. |
| Insulation (绝缘材质) | SIR | | | | | | | | | | |
| Nom. Thickness (mm) (标称厚度) | 0.70 | 0.80 | 0.80 | 1.00 | 1.10 | 1.30 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Insulation Dia.mm (线材线径) | 3.60±0.15 | 4.30±0.15 | 4.80±0.15 | 6.20±0.20 | 8.00±0.20 | 10.00±0.30 | 11.20±0.30 | 13.00±0.30 | 15.00±0.30 | 17.00±0.40 | 19.00±0.40 |
| Max. DC Resistance at 20°C (Ω/km)电阻 | 7.6 | 4.71 | 3.14 | 1.82 | 1.16 | 0.743 | 0.527 | 0.368 | 0.259 | 0.196 | 0.153 |
| Mylar Overlap (重叠率) | Optional | | | | | | | | | | |
| Braid Material (编织材质) | TINNED SOLID COPPER CONDUCTOR | | | | | | | | | | |
| Braid Construction (结构) | 16/9/0.10 | 16/9/0.12 | 16/10/0.12 | 16/11/0.12 | 24/10/0.12 | 24/12/0.12 | 24/12/0.12 | 24/12/0.12 | 24/12/0.12 | 24/12/0.16 | 24/12/0.16 |
| Braid Coverage (遮蔽率) | 85% | | | | | | | | | | |
| AL-Mylar Overlap (重叠率) | 25% | | | | | | | | | | |
| Jacket (外被材质) | SIR | | | | | | | | | | |
| Nom. Thickness (mm) (标称厚度) | 1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.7 |
| Outor Dia.mm (线材线径) | 5.90±0.20 | 7.00±0.20 | 7.50±0.30 | 9.50±0.30 | 11.20±0.30 | 13.50±0.30 | 15.00±0.30 | 17.00±0.40 | 19.00±0.40 | 21.50±0.50 | 23.50±0.50 |

| Cross Section (截面图) | |
|---|--|
|  | |
| Insulation Color (颜色) | |
| Optional | |
| Jacket Color (颜色) | |
| Optional | |
| Marking (印字) | |
| QZJP21-E () mm2 -40°C~+175°C AC1000V/DC1500V ⚡ ATTENTION HIGH VOLTAGE ⚡ | |
| Marking Color (印字颜色): Optional | |

| Performance (性能) | |
|---|--------------------------------------|
| Electrical Characteristics: | Mechanical Characteristics: |
| 1. Rated Temperature (°C): 额定温度 | 1. 冷弯测试: -40±2°Cx4H, 1000VACx1min. |
| 2. Rated Voltage (V): 额定电压 | 2. 长期老化测试: 175°C/3000h. 1000VACx1min |
| 3. AC Dielectric Strength 耐压KVAC(50Hz)x30min~5KVAC(50Hz)x5min~8KVAC | 3. 短期老化测试: 200°C/240h. 1000VACx1min |
| 4. Spark voltage (KV): 火花测试 | 4. 热过载测试: 225°Cx6H, 1000VACx1min |
| 5. Min. In Resistance at 70°C (Ω.mm)电阻 | 5. 高温压力测试: 175°Cx4H, 1000VACx1min |
| 6. Flammability Test: 燃烧等级 | 6. 热收缩测试: 175°Cx15Min |
| 7. Reference Standard: 设计依据 | 7. 线缆弯曲半径 |
| -40~175 | No Crack. |
| 1000V(AC)/1500(DC) | No Crack. |
| 10 | No Crack. |
| 10 ⁹ Ω.mm | No Crack. |
| <30S | No Crack. |
| QC/T1037 | 绝缘≧2mm, 外被 ≧4mm |
| | 5xOD |

| Environmental protection(环保) | |
|---|--|
| Environmental protection: 环保 | |
| 1. 不含双方签订的环保标准的1级管理物质. | |
| Contact information (联系方式) | |
| Shenzhen Guchen Electronic Co., Ltd. | |
| Email address: ec@guchen.com | |
| Web link: https://www.guchen-connector.com | |
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|---------------------------------|
| Customer result feedback 客户结果反馈 |
|---------------------------------|