

ESP Cable Solutions Co.,Ltd



TEST REPORT

| Solutions-2015/05/30C | | | | | |
|------------------------------|--------------------------------|---------------------------------------|---------------------------------|-----------------|-----------------|
| Description | Type | QYJYEQM-5KV-232℃-3*21 mm ² | | | |
| | Weight | 2070 KG | Length | 1000 m | |
| | Standard | As Requirement | Shape of cable | Flat | |
| | Standard overall dimension | ≤13.0 mm×33.5 mm | Measured results | 12.5 mm×33.0 mm | |
| Conductor | Number of conductors | 3 Conductors | Type of conductor | Solid | |
| | Standard diameter of conductor | 5.19±0.04mm | Measured results | 5.19±0.04mm | |
| | Standard conductor resistance | ≤0.84Ω/km at 20 ℃ | Measured results | RA=0.815 Ω/km | RB=0.814 Ω/km |
| | | | | RC=0.816 Ω/km | |
| | Standard degree of unbalance | ε ≤2 % at 20 ℃ | Measured results | ε=0.3 % | |
| Insulation | Type of insulation | Compound Insulation | | | |
| | Average thickness | 1.50 mm | Thickness of the Thinnest Point | ≥1.12mm | |
| | Standard insulation resistance | ≥ 5123MΩ·km at 15.6℃ | Measured results | A0= 8000MΩ·km | AB= 8000MΩ·km |
| | | | | B0= 8000MΩ·km | BC= 8000MΩ·km |
| | | | | C0= 8000MΩ·km | CA= 8000MΩ·km |
| Jacket | Material | Lead Sheath | Average thickness | 0.8 mm | |
| | | | Thickness of the Thinnest Point | ≥0.64 mm | |
| Armor | Material | Stainless steel tape | Average thickness | 0.40 mm | |
| | | | Thickness of the Thinnest Point | ≥0.36 mm | |
| Leakage Current | Test voltage | DC 20kV | Test time | 5 minutes | |
| | Standard leakage current | ≤ 0.50 μA/km at 15.6℃ | Measured results | IA= 0.125 μA/km | IB= 0.125 μA/km |
| | | | | IC= 0.125 μA/km | |
| Appearance | Qualified | | Conclusions | Qualified | |