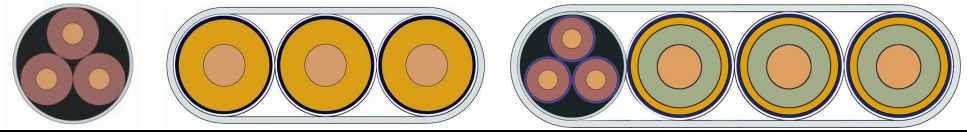
ESP Cable Solutions Co.,Ltd



Test Procedures

A. Inspection of raw materials

Inspection Equipment: Optical Emission Spectrometry
Inspection Purpose: Inspect the chemical composition of the raw materials
According to ASTM A240M-15

B. Inspection within the production

Inspection Equipment: Online Eddies
Inspection Purpose: Inspect the defect of the tubing
According to ISO 9001:2015.

C. Inspection after the production

1. Size test: Digimatic micrometer, according to ASTM A269
2. Pressure test: Use Pressure Test Pump, the pressure gauge mileage is 0-160 MPA, the precision level of the pressure gauge is 1.5. Test Medium is water.
3. Other test items
Test Items: Yield strength, tensile strength, elongation, hardness and other items.
Test Equipment: 30 tons Electronic Tension Tester
Scope of application: The test equipment for measuring the mechanical properties of materials can be used for the testing of tensile, peeling, compression, bending, shearing, bursting, puncture, fatigue and other items of metal wire and non-metal, polymer materials. It can be compiled according to GB, ISO, ASTM, JIS, EN and other standards according to customer's product requirements. It can automatically obtain the maximum test force, breaking force, yield strength, tensile strength, compressive strength, flexural strength, elastic modulus, elongation. Rate, constant elongation stress, constant stress elongation and other parameters.
Technical description: The test machine uses the new control technology to control the servo motor with the synchronous belt through the imported original AC digital controller to make a pair of high-precision ball screw moving test bench. The test bench can run at 0.001mm/min-500mm/min. The high-precision tension and pressure sensor imported from the United States is used on the force measuring source, and its accuracy is 0.02%, the sensitivity is high, the whole system can reach 0.5 level precision, and the effective force range is 0.2% to 100% of the maximum force value; The accuracy is within ±0.5% of the indicated value; the displacement accuracy is within ±0.5% of the indicated value; the deformation measurement accuracy is within ±0.5% of the indicated value.
Standard according to ASTM A269.

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