



Sample Exam

Exam Name: IEC 62444 Cable Glands Testing Certificate

Exam Code: IEC-62444-001

What is the primary role of the International Electrotechnical Commission (IEC)?

- A. Regulating electricity prices globally
- B. Manufacturing electrical components
- C. Developing international standards for electrical and electronic technologies
- D. Inspecting electrical installations

Correct Answer: C

Which IEC standard specifically addresses the requirements and testing of cable glands?

- A. IEC 60079
- B. IEC 60529
- C. IEC 62444
- D. IEC 61010

Correct Answer: C

What is the main purpose of an IP (Ingress Protection) rating in cable glands?

- A. To define cable size compatibility
- B. To measure electrical conductivity
- C. To indicate resistance to dust and water ingress
- D. To specify installation torque values

Correct Answer: C

Which of the following functions is NOT a primary function of a cable gland?

- A. Providing strain relief
- B. Preventing environmental ingress
- C. Securing cables mechanically
- D. Generating electrical power

Correct Answer: D

Why is compliance with IEC 62444 important for manufacturers?

- A. It reduces production costs
- B. It ensures faster installation
- C. It supports safety, reliability, and global market acceptance
- D. It eliminates the need for testing

Correct Answer: C

Which material is commonly preferred for cable glands due to its excellent machinability and corrosion resistance, often enhanced by nickel plating?

- A. Aluminum
- B. Polyamide
- C. Brass
- D. Silicone

Correct Answer: C

What is the primary purpose of the clamping mechanism in a cable gland?

- A. To improve electrical conductivity
- B. To evenly grip the cable without causing damage
- C. To enhance UV resistance
- D. To reduce installation time

Correct Answer: B
