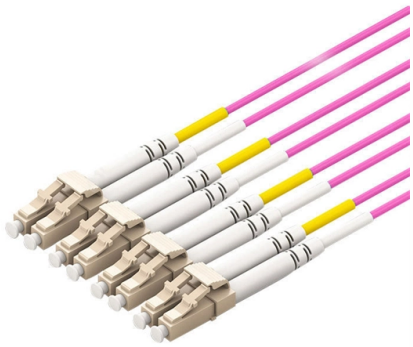
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Enclosure IP67 Certification



Overview

The certification mark is based on the EN 60529 standard (Degrees of protection provided by enclosures (IP Code).

Key Takeaways

IP67 certification indicates that an enclosure is completely dust-tight and can withstand immersion in water up to 1 meter for 30 minutes.What IP67 Means

The IP (Ingress Protection) code is defined by the international standard IEC 60529 to classify the protection level of enclosures against dust and water . In IP67:

• The first digit 6 signifies complete protection against dust, ensuring no dust can enter the enclosure and interfere with internal components .

• The second digit 7 indicates the enclosure can withstand immersion in water up to 1 meter for 30 minutes without damage . This rating ensures that electronics housed in IP67 enclosures are protected from environmental hazards such as rain, humidity, accidental splashes, and temporary submersion .
Applications of IP67 Enclosures

IP67 enclosures are widely used in industries where electronics are exposed to harsh conditions, including:

• Marine and offshore equipment

• Oil and gas instrumentation

• Telecommunications and networking devices

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

• Alternative energy systems

• Outdoor electronics and junction boxes They are suitable for both indoor and outdoor applications, providing durable protection against dust and water ingress .
IP67 Testing and Certification Process

To obtain IP67 certification, a product undergoes Ingress Protection testing:

• Preparation: The device is sealed and checked for potential weak points such as gaskets or joints.

• Dust Test: The enclosure is exposed to a dust chamber to verify that no particles enter.

• Water Immersion Test: The device is submerged in water up to 1 meter for 30 minutes to ensure no leakage occurs.

• Assessment: Air movement or water ingress is measured to detect leaks without damaging the device.

• Certification: If the device passes both tests, it is officially rated as IP67 . It is important to note that IP67-rated devices are water-resistant, not fully waterproof, and should not be submerged regularly or for extended periods .
Key Considerations
• Material: IP67 enclosures are available in aluminum, polycarbonate, or other durable plastics, depending on the application .

• Corrosion Protection: The IP rating does not cover corrosion; for chemical or saltwater resistance, consider NEMA 4X enclosures.

• Comparison with IP68: IP68 enclosures provide protection for longer and deeper water immersion, making them suitable for more extreme conditions . Choosing an IP67 enclosure ensures reliable protection for sensitive electronics in environments where dust and temporary water exposure are concerns.

Article Content

What Is IP67 Rating A Guide to Dust and Water Protection

Think of an IP67 rating as a rugged, sealed container for your most sensitive electronics. It''s not just marketing fluff; it''s

IP65 vs. IP66 vs. IP67: Which Enclosure Rating Do You

Compare IP65, IP66, and IP67 enclosure ratings to determine the ideal protection level for

IP67 Enclosure Rating: Definition & Requirements | NEMACO™

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Learn what the IP67 enclosure rating means, how IP67 testing works, how it compares to IP65, IP66, and IP68, and

How to Get IP 67 Testing and Certification?

IP67 certification is an international standard (IEC 60529) that indicates a device''s level of protection

Electrical Enclosure and Related Component

We test enclosures to a wide variety of safety regulations, providing third-party certification that your

IP code

It is defined by the International Electrotechnical Commission (IEC) under the international standard IEC 60529 which classifies

IP67 Enclosure Rating: Definition & Requirements | NEMACO™

IP67 enclosure rating, how IP67 testing works, how it compares to IP65, IP66, and IP68, and when IP67 is the right

IP Ratings Explained: IP65, IP66, IP67, IP68 Guide | indEx Enclosures

IP65, IP66, IP67, IP68, what each rating protects against, how to read the two-digit code, and which rating you need for your

IP Ratings Explained

IP (Ingress Protection) ratings define how well device enclosures protect against dust and water intrusion.

Certification mark for electrical enclosures

The certification mark is based on the EN 60529 standard (Degrees of protection provided by enclosures (IP Code). Equipment that

IP67 Enclosures for Electronics | IP67 Waterproof Boxes

Buy quality IP67 enclosure electrical boxes and cases from Polycase. Durable aluminum or plastic IP67 waterproof boxes for indoor

IEC 60529 Ingress Protection (IP Code) Certification Testing

Expert IEC 60529 Ingress Protection (IP Code) certification and validation testing laboratory with globally recognized reports. Contact

IP Ratings Explained | Ingress Protection Rating | IP Codes | Updated

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

An IP Rating (also known as an Ingress Protection Rating or International Protection Rating) is a way of showing the effectiveness of

IEC 60529 Explained: Understanding IP67 and IP68 Ratings for

It defines IP protection ratings that help users understand how well an enclosure protects electrical equipment from

NEMA Enclosure Ratings and IP Equivalents

IP ratings the standard in Europe -- Let Fibox help you find the right cUL/UL NEMA type enclosure to fit your needs.

IP66 vs. IP67 Enclosure Ratings – A Complete Comparison

IP66 An electrical enclosure with an IP66 rating must conform to the International Electrotechnical Commission

Redirecting to iectest.iec /homepage

We would like to show you a description here but the site won''t allow us.

IP Rated Electrical Boxes & Enclosures

Order waterproof IP rated enclosures and junction boxes designed to protect sensitive electrical components against dust, dirt and

IP Rating Testing | Ip54, Ip65 | LabTest Certification Inc.

IP Rating Testing by LabTest, also known by IP test, provides a means of classifying the degrees of

IP68 Waterproof Rating | Polycase

The IP68 waterproof rating identifies outdoor electrical enclosures with the highest level of

IP Protection Ratings (IP Code) — Table, Meaning and Applications

IP protection ratings per IEC 60529: all IP codes explained — 1st digit dust, 2nd digit water, additional letters and IP69K. Application

IP Ratings Explained

IP Rated Enclosures Explained What is an IP rating? IP (or "Ingress Protection") ratings are defined in international standard EN

IP Ratings Explained

What are IP Ratings? Learn more and protect your electrical enclosure and its contents by knowing where and how it

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

IP Rating

Common IP ratings, such as IP65, IP66, and IP67, are standardized codes that indicate the level of protection

Ingress protection (IP) ratings guide | IEC

Ingress protection (IP) ratings guide The rating guide of the two numerals comprising the IP code as defined in IEC

What are Ingress Protection Ratings and Why Do They Matter?

Why IP ratings matter IP codes are designed to protect items like food, electronic products, and automobiles from damage while

IP67 Enclosure Rating: Definition & Requirements | NEMACO™

IP67 enclosure rating, how IP67 testing works, how it compares to IP65, IP66, and IP68, and when IP67 is the right

IP Ratings Explained: IP65, IP66, IP67, IP68 Guide | indEx Enclosures

IP65, IP66, IP67, IP68, what each rating protects against, how to read the two-digit code, and which rating you need for your

IP Ratings Explained

IP (Ingress Protection) ratings define how well device enclosures protect against dust and water intrusion.

Certification mark for electrical enclosures

The certification mark is based on the EN 60529 standard (Degrees of protection provided by enclosures (IP Code). Equipment that

IP67 Enclosures for Electronics | IP67 Waterproof Boxes

Buy quality IP67 enclosure electrical boxes and cases from Polycase. Durable aluminum or plastic IP67 waterproof boxes for indoor

IEC 60529 Ingress Protection (IP Code) Certification Testing

Expert IEC 60529 Ingress Protection (IP Code) certification and validation testing laboratory with globally recognized reports. Contact

What do IP66, IP67, and IP68 Mean for Enclosure

The Right IP Rating is Just the Beginning IP66-, IP67-, and IP68-rated enclosures might look similar at a

IP65 vs. IP66 vs. IP67: Which Enclosure Rating Do You

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Compare IP65, IP66, and IP67 enclosure ratings to determine the ideal protection level for

IP67: How Sealed Enclosures Protect Rugged Systems Across

IP67 explained: how sealed enclosures resist dust and water intrusion to protect rugged systems, edge computing, and reliable data

IP Testing | Ingress Protection per IEC 60529

Ingress Protection for Lighting Products - IP vs. NEMA Ratings White Paper What is IEC 60529? IEC 60529 (Degree of Protection

IP Ratings Explained | Ingress Protection Rating | IP Codes | Updated

An IP Rating (also known as an Ingress Protection Rating or International Protection Rating) is a way of showing the effectiveness of

IEC 60529 Explained: Understanding IP67 and IP68 Ratings for

It defines IP protection ratings that help users understand how well an enclosure protects electrical equipment from

NEMA Enclosure Ratings and IP Equivalents

IP ratings the standard in Europe -- Let Fibox help you find the right cUL/UL NEMA type enclosure to fit your needs.

IP66 vs. IP67 Enclosure Ratings – A Complete Comparison

IP66 An electrical enclosure with an IP66 rating must conform to the International Electrotechnical Commission

What Is IP67 Rating A Guide to Dust and Water Protection

Think of an IP67 rating as a rugged, sealed container for your most sensitive electronics. It''s not just marketing fluff; it''s

IP65 vs. IP66 vs. IP67: Which Enclosure Rating Do You

Compare IP65, IP66, and IP67 enclosure ratings to determine the ideal protection level for

IP67 Enclosure Rating: Definition & Requirements | NEMACO™

Learn what the IP67 enclosure rating means, how IP67 testing works, how it compares to IP65, IP66, and IP68, and

How to Get IP 67 Testing and Certification?

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

IP67 certification is an international standard (IEC 60529) that indicates a device''s level of protection

Electrical Enclosure and Related Component

We test enclosures to a wide variety of safety regulations, providing third-party certification that your

IP code

It is defined by the International Electrotechnical Commission (IEC) under the international standard IEC 60529 which classifies

IP Ratings Explained: IP65, IP66, IP67, IP68 Guide | indEx Enclosures

What do IP ratings mean for electrical enclosures? IP65, IP66, IP67, IP68, what each digit means, what tests are passed, and how to

IEC 60529 Explained: Understanding IP67 and IP68 Ratings for

Learn how IEC 60529 defines IP67 enclosures and IP68 electrical equipment. Discover how waterproof HV

IEC 60529 Ingress Protection (IP Code) Certification Testing

Enclosures can have an IP54 rating meaning the device is protected from dust and splashing water. Ingress protection IP67 cases

What Is IP67 Rating A Guide to Dust and Water Protection

Think of an IP67 rating as a rugged, sealed container for your most sensitive electronics. It''s not just marketing fluff; it''s

IP65 vs. IP66 vs. IP67: Which Enclosure Rating Do You

Compare IP65, IP66, and IP67 enclosure ratings to determine the ideal protection level for

IP67 Enclosure Rating: Definition & Requirements | NEMACO™

Learn what the IP67 enclosure rating means, how IP67 testing works, how it compares to IP65, IP66, and IP68, and

How to Get IP 67 Testing and Certification?

IP67 certification is an international standard (IEC 60529) that indicates a device''s level of protection

Electrical Enclosure and Related Component

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

We test enclosures to a wide variety of safety regulations, providing third-party certification that your

IP code

It is defined by the International Electrotechnical Commission (IEC) under the international standard IEC 60529 which classifies

IP Ratings Explained: IP65, IP66, IP67, IP68 Guide | indEx Enclosures

What do IP ratings mean for electrical enclosures? IP65, IP66, IP67, IP68, what each digit means, what tests are passed, and how to

IEC 60529 Explained: Understanding IP67 and IP68 Ratings for

Learn how IEC 60529 defines IP67 enclosures and IP68 electrical equipment. Discover how waterproof HV

IEC 60529 Ingress Protection (IP Code) Certification Testing

Enclosures can have an IP54 rating meaning the device is protected from dust and splashing water. Ingress protection IP67 cases

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved