

Manufacturing Story of a CPR Cable

What are the steps that all manufacturers should follow to provide users with a cable classified and declared under the CPR?

Market Demand



Everything starts with the market: manufacturers need to provide their customers with cables that have the performance levels needed. Cables are constructed

Cables are constructed according to national and/or international standards in order to comply with regulations.

Design



Existing cable designs and standards are well-established. CPR adds additional requirements which the cable designer must assess.

gn Materials



The materials used in the cable's construction need to be assessed and a change might be required to meet **CPR requirements** such as for the emission of acidic gases or to limit fire spread. To achieve higher performance classes manufacturers may need to change the materials they use.

Manufacturing



Manufacturers must run their production processes in line with CPR requirements to achieve consistent quality and performance: CPR requires particular manufacturing quality controls to be applied.

Manufacturer Testing



Manufacturers need to test their products to check they meet the desired performance. Samples will also be prepared for external testing.



Did you know that **CPR cables must be tested by official labs** appointed by Member States? Certifications are formally issued.

Shipment

to Customers

Notified Body Testing and Classification



CPR requires independent testing/certification from Notified Bodies before manufacturers can CE mark them. Only once the manufacturer has the Notified Body documents, they can provide the Declaration of Performance and CE mark to their cables to fulfill CPR requirements.

Documentation - CPR Credentials



Manufacturers must provide customers with a CPR Declaration of Performance for each cable. As cables flow down the supply chain, **CPR documentation and labelling** should be fully available all the way to the customer.

Retesting and Factory Checks



Manufacturers and Notified Bodies regularly retest cables to check for consistent performance.

DoP stands for Declaration of Performance and represents an official document: it's your profession to fully understand it, it's your responsibility to check it.