



Q-CODE Q3D QUALITY REQUIREMENTS

For Cable Assemblies with Class 2 requirements of IPC WHMA-A-620

The following are the quality requirements for product purchased under Q-code Q3D. Please reference the Plexus Supplier Quality Manual DCS 10503 for additional details and purchasing requirements. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below.

1ST SHIPMENT - THE DOCUMENTATION AND QUALITY REQUIREMENTS FOR THE INITIAL SHIPMENT AND/OR THE FIRST SHIPMENT AFTER ANY CHANGES HAVE BEEN MADE, ARE AS FOLLOWS:

- A. First Article Inspection Report - the supplier will perform a first article inspection including a measurement and acceptance result of every characteristic, requirement, material and/or drawing note. All results must be within print tolerance or specification callout. Results must include a list of all the materials used (wires, and other purchased product as called out), including the manufacturer and the part number used. Any result which is not within print specification must be approved by Plexus in writing before product can be shipped.
- B. Material Certificate - at a minimum the material certification must include a statement declaring that the items are manufactured from the material specified. This may be included with the certificate of compliance.
- C. Certificate of Compliance - at a minimum the Certificate of Compliance must include a statement declaring that the items conform to the drawing. In addition it shall include certification that the product is in compliance with **Class 2** requirements of the IPC standard **WHMA-A-620**. Certificate of Compliance should also reference electrical testing of the cable for open or shorted connections. Cable should be free of electrical defects
 - Name of Supplier (if different than the actual Manufacturer/OEM/OCM)
 - Plexus part number ordered on the Plexus PO
 - EC level or Revision level as specified on the Plexus PO for the Plexus part number ordered
 - Quantity Shipped
 - Plexus PO number
 - Name of Manufacturer/OEM/OCM
 - Manufacturer's/OEM's/OCM's Part Number
 - The Manufacturer/OEM/OCM Lot numbers or Date Codes (both are preferred) for each shipment
 - Location or place of manufacture
 - If the product has a shelf life, the manufacturer or cure date, batch number, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 50% of the stated shelf life). Any special handling and/or storage requirements must also be included
 - Name and title of supplier representative certifying the product

All cartons, required documentation, labels, packaging and packing slips must have the Plexus part number, EC level or revision (if applicable), date code(s), quantity, and P.O. number listed on them.

ALL SHIPMENTS - THE DOCUMENTATION AND QUALITY REQUIREMENTS AS LISTED BELOW ARE REQUIRED WITH EACH SHIPMENT

- A. Material Certification - same requirements as B above.
- B. Certificate of Compliance - same requirements as C above.



All cartons, required documentation, labels, packaging and packing slips must have the Plexus part number, EC level or revision (if applicable), date code(s), quantity, and P.O. number listed on them.

The above listed required documentation must be submitted with each shipment. Shipments received without the completion and proper execution of these Quality Requirements is considered non-conforming and Plexus reserves the right to return to the supplier at the supplier's expense.

PRODUCT CHANGE NOTIFICATION

Upon acceptance of conforming product, documentation, and the requirements of this Q-code, the supplier's manufacturing process shall be considered "qualified". All changes require written approval from Plexus prior to implementation. Product or Process change notification requests (PCNs) shall be submitted to pcns@plexus.com.

REVISION HISTORY

REV	RELEASE DATE	ORIGINATOR	DESCRIPTION OF CHANGE(S)	REASON FOR CHANGE(S)
A	23Dec08	Jorge Irizarry/ Scott M. Ubl	New - Initial Release	NA
B	12Aug14	Jorge Irizarry/ Scott M. Ubl	Require list of AML on wires to be supplied	NA
C	24Feb15	Jorge Irizarry	Remove revision level callout from IPC standard	NA
D	04Apr18	Daniel Crouse	Added PCN language	NA
E	14Jun18	Adriana Cimpan	Added requirement for electrical testing of the cables	NA
F	10Mar23	Scott Ubl	Updated formats and requirement language. Fixed typo in the IPC callout	Clerical update