

REVISION HISTORY			
REV	DATE	ORIGIN	REASON FOR CHANGE(S)
A	22Jan2019	Paul Gettins	Initial Release

## **Q-CODE Q28A QUALITY REQUIREMENTS**

### **National Recognised Test Laboratory UL/CSA Custom Cable Assemblies and Power cords**

With acceptance of/or receipt of product against this order the supplier agrees to allow Plexus, their customer and regulatory authorities the right of access to their facility and all applicable records. The following are the quality requirements for product purchased under Q-code Q28A. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below. Plexus will only give a written waiver after notifying and obtaining approval from the customer authorized person and Certified Body.

#### **FIRST PRODUCTION RUN/PRE 1<sup>ST</sup> SHIPMENT/CHANGE TO PRODUCT OR PROCESS**

Before a product can be released for production the supplier will be required to meet the documentation and quality requirements as follows:

A. First Article Inspection Requirement

The First article Inspection Report (FAIR) must include the following as part of the FAIR submission:

- A bubble diagram indicating all applicable features, characteristics and notes.
- Raw materials must have direct traceability with the chemical and physical properties submitted to Plexus.

All dimensions/features/ notes must be within specification. Any dimension/features/notes which are 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 and detail the UL/CSA flammability rating (i.e. VW-1 or 94-V0). This may be included with the certificate of compliance.

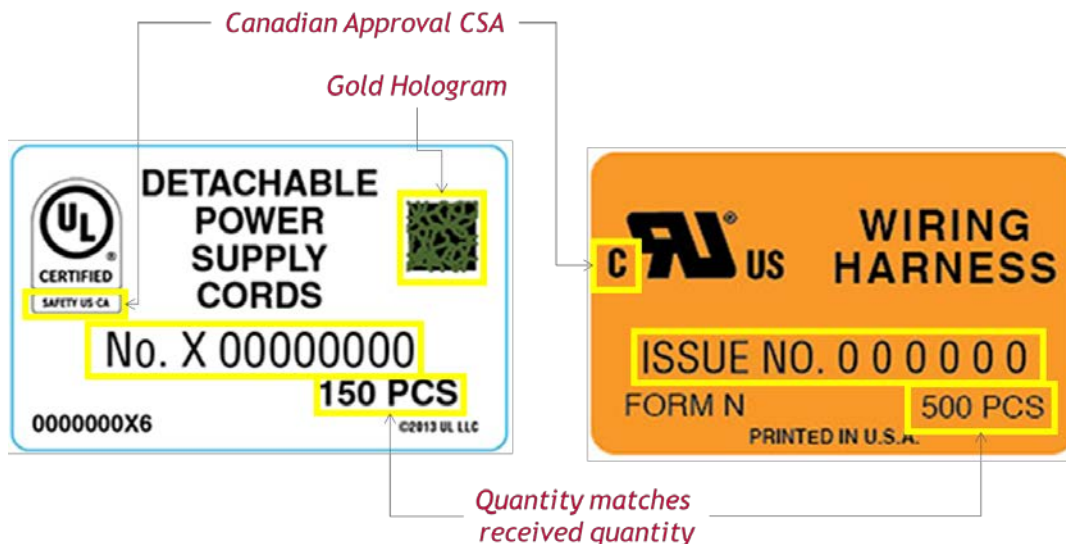
C. Certificate of Compliance - detail the following:

- A statement of overall compliance to all the applicable specifications and a statement is required to list, all the applicable specifications such as detailed below but is not exclusive:
  - Name of Manufacturer/OEM/OCM
  - Manufacturer's/OEM's/OCM's part number when required
  - Reference to applicable NTRL (i.e. UL) Site Accreditation number/code
  - Plexus part number
  - Revision or EC level if applicable
  - Quantity
  - Purchase order number
  - Lot # or Date Code <sub>1</sub> or Serial numbers for each shipment
  - The drawings and specifications provided by Plexus
  - The requirements of the specific PO
- Signed and dated by an authorised representative
- Any associated non-conformance reports shall be appended to the FAIR

<sub>1</sub> The minimum-required date code format shall identify the 2-digit workweek, 2-digit year (WWYY). If the component marking contains a lot and date code, then those markings must be traceable to the COC.

Shipments of multiple lot and/or date codes must be identified separately on the COC with the actual quantity shipped for each. Each lot and/or date code shall be independently packaged (i.e., no mixed lot/date codes within a package: reels, trays, tubes, bags, etc.).

- D. Labelling - All Cable assemblies and cords with Q-code Q28A detailed on the Plexus PO must have the one of following labels affixed on the packaging or individual bag (bag preferred).



- E. Packaging - All cartons, required documentation, labels, packaging and packing slips must have part number, EC level or revision, quantity and P.O. number listed on them.

#### SUBSEQUENT SHIPMENTS

The Quality requisites below and must meet the same requisites as stipulated for the corresponding 1<sup>st</sup> shipments/change above:

- A. First Article Inspection Requirement - Supplier will execute **First Production Run requirements** and provide the results to Plexus with each shipment following any subsequent change that invalidates the previous first article inspection result. In addition, parts held in inventory by the supplier for 2 or more years or not received by Plexus in 2 or more years must have the **First Production Run requirements** performed to assure no revision change or part deterioration during storage.
- B. Material Certificate
- C. Certificate of Compliance
- D. UL/CSA Labelling
- E. Packaging

*When the revision of the part changes, First Production Run requirements must be completed as a new part before the shipment of product to Plexus.*

The above listed documentation must be submitted with each shipment. Material received without the completion and proper execution of the Quality Requirement allows Plexus the right to return the material.

#### 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](mailto:pcns@plexus.com).