

## PRODUCT SPECIFICATION

### 1. SCOPE

- 1.1 This specification covers performance requirements of Cable Clamp for AMPLIMITE\* HDP 20 and 22 C.O.S.I. Connectors.

### 2. DESCRIPTION

- 2.1 This cable clamp is composed by two snap-in plastic shells halves, screw holder and clamping insert.
- 2.2 This system provides to fix and tighten the cable on the connector, protecting the back side of the connector.

### 3. APPLICABLE DOCUMENTS

- 3.1 Applicable portion of the following documents form a part of this specification, to the extent indicated herein:
- Applicable AMP Product drawings
  - Instruction sheet 783480-1
  - IEC 512 - Basic testing procedures and measuring methods.

### 4. REQUIREMENTS

#### 4.1 Design and Construction

All components of this product line shall be of the design, construction and physical dimensions specified in the applicable product drawings.

#### 4.2 Materials

- 1) Shell and clamping insert: moulded in ABS, colour Black, UL-94 HB
- 2) Screw holder: moulded in PA 6-6, Colour Black, UL-94 HB
- 3) Set screw: carbon steel zinc plated yellow passivated.

#### 4.3 Application

Typical cable insulation or wire bundle diameter are listed in the following table

\*Trade mark of AMP Incorporated.

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IEC 034 2.83

|         |                 |                     |    |                           |  |                                                                               |                 |           |
|---------|-----------------|---------------------|----|---------------------------|--|-------------------------------------------------------------------------------|-----------------|-----------|
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|         |                 |                     |    | CHK<br><i>[Signature]</i> |  |                                                                               |                 |           |
|         |                 |                     |    | APP                       |  | LOC<br>I                                                                      | NO<br>108-20115 | REV.<br>A |
| SHEET   |                 | NAME                |    | CABLE CLAMP FOR           |  |                                                                               |                 |           |
| 1 OF 3  |                 |                     |    | AMPLIMITE* CONNECTORS     |  |                                                                               |                 |           |
| DIST.   | A               | RELEASED ECN I.3023 |    | 9/3/92                    |  |                                                                               |                 |           |
| REV LTR | REVISION RECORD |                     | DR | DATE                      |  |                                                                               |                 |           |

| Size | Max Cable DIA |
|------|---------------|
| 1    | 6             |
| 2    | 7,5           |
| 3    | 10            |
| 4    | 12            |
| 5    | 14            |

#### 4.4 Rating

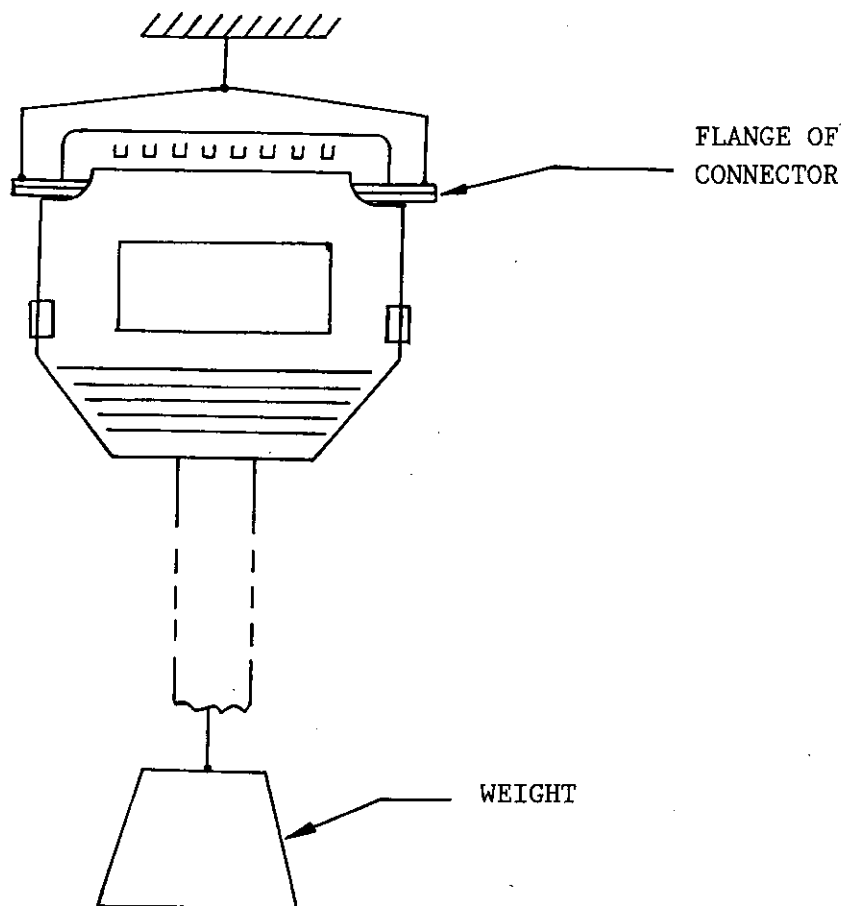
Operating temperature: -40°C to 85°C

#### 5. PERFORMANCES AND TEST DESCRIPTION

This product shall meet the mechanical and environmental performance requirements specified in the following table.

| Test Description       | Test Procedure                                                                                                                                                                                       | Requirements                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Examination of product | Visual, dimensional and functional check                                                                                                                                                             | Shall be in accordance to the relevant product dwgs                                                 |
| Cable Pull out         | Gradually apply weight to cable.<br>See fig. 1<br>Maintain weight for 1 hour.<br>IEC 512-5 test 8b                                                                                                   | Retention:<br>- Size 1 to 3:<br>20 N min<br>- Size 4 to 5:<br>30 N min                              |
| Thermal shocks         | Subject mounted cable clamp onto connector and cable to 5 cycles (30° min.) from -40°C to 85°C.<br>IEC 512-6 test 11d                                                                                | There shall be no evidence of cracking, distortion and damages which would impair normal operation. |
| Impact                 | Let mounted cable clamp onto connector and cable, fall freely by the pendulum action to strike a fixed surface as per fig. 2.<br>Numbers of drops shall be 8 : 2 each 4 sides.<br>IEC 512-5 Test 7b. | There shall be no damage which would impair normal operation                                        |

FIG. 1



HEAVY  
STEEL  
BLOCK

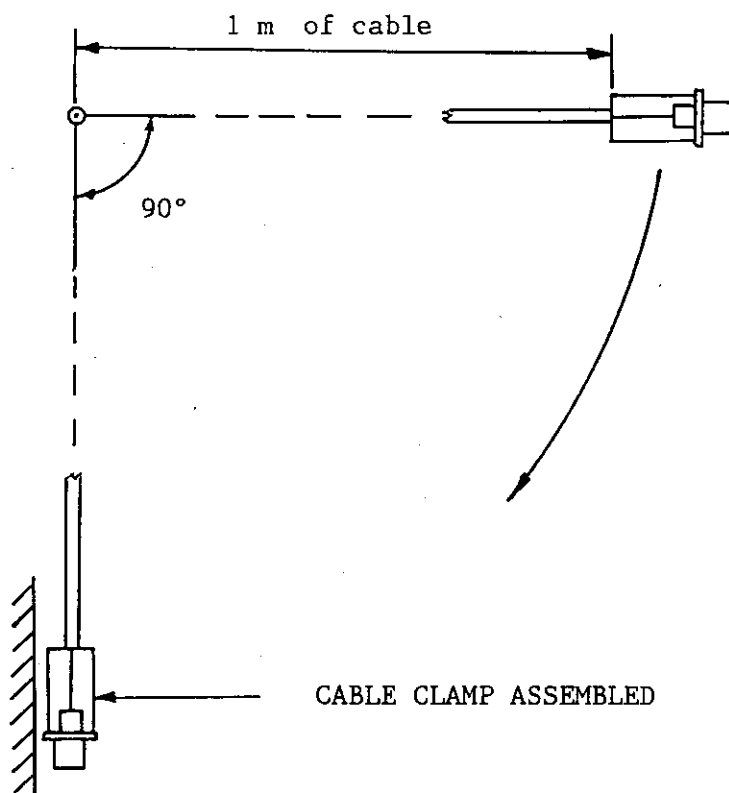


FIG. 2