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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

|         |                 |  |                           |   |  |
|---------|-----------------|--|---------------------------|---|--|
|         |                 | DR<br>C. MANZONE                                 |                           |  <b>AMP ITALIA S.p.A</b><br>Corso F.lli Cervi, 15<br>COLLEGNO (TORINO) |  |
|         |                 | CHK <i>[Signature]</i><br>APP <i>[Signature]</i> |                           |   |  |
|         |                 | LOC<br>I   | NO<br>108-20115           | REV.<br>A   |  |
| SHEET   |                 | NAME   |                           |   |  |
| 1 OF 3  |                 | CABLE CLAMP FOR<br>AMPLIMITE* CONNECTORS         |                           |   |  |
| DNST.   | A               | RELEASED ECN I.3023                              | <i>[Signature]</i> 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 shoks          | 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, distorsion 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  |

IEC 035 2.83

**AMP**

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COLLEGNO (TORINO)

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2 OF 3

NO

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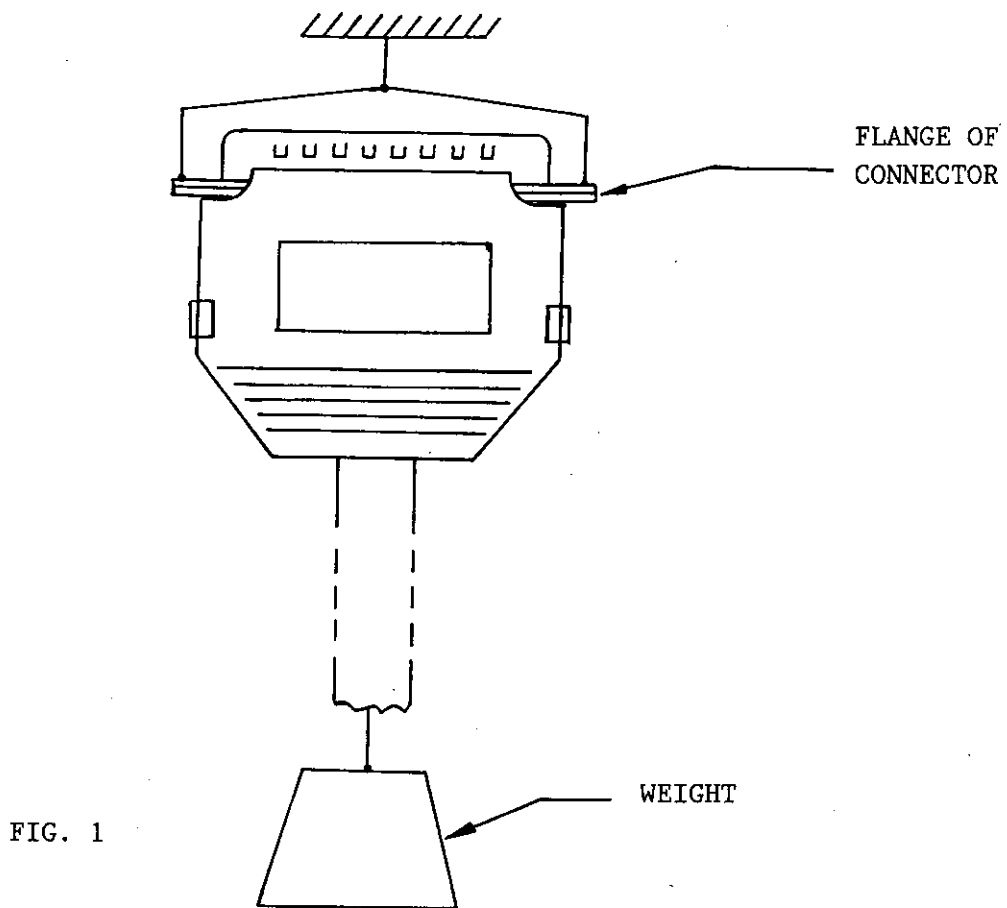


FIG. 1

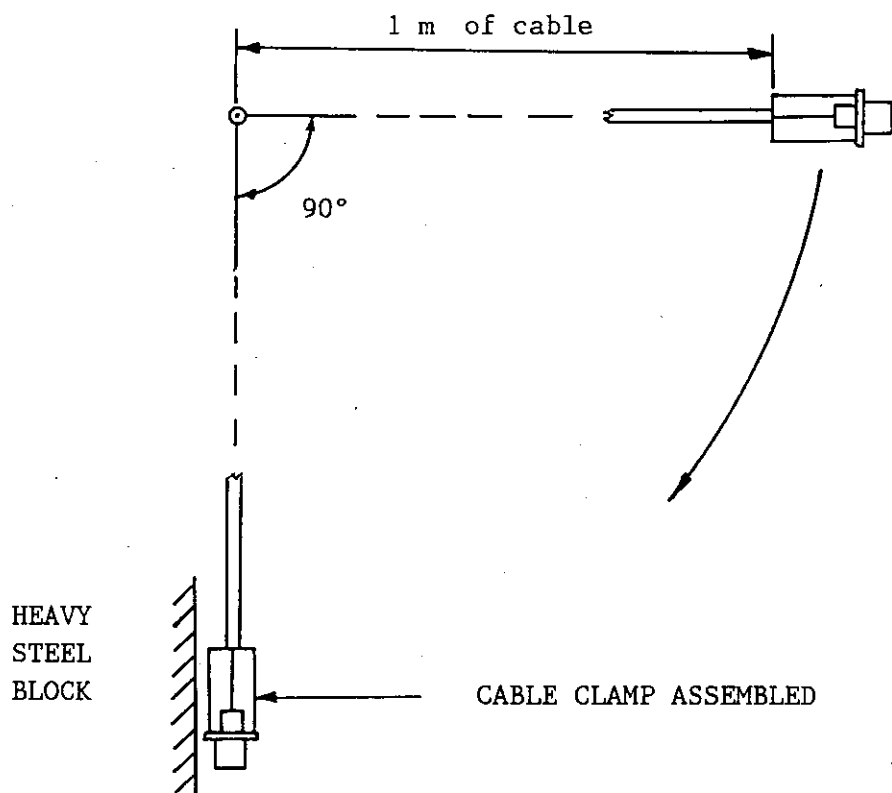


FIG. 2

TEC 035 2.83

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