1. <u>SCOPE</u>

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 <u>Design and Construction</u> All components of this product line shall be of the design, construction and physical dimensions specified in the applicable product drawings.

4.2 <u>Materials</u>

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

4.3 Application

FUHMATION IS CUNFILLENTIAL AND IS DISCLOSED TO 4 CONDITION THAT NO FURTHER DISCLOSURE IS MA-YOU TO OTHER THAN AMP PERSONNEL WITHOUT V AUTHORIZATION FROM AMP ITALIA S.P.A.

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

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CHET.	A REV LTR	RELEASED ECN 1. 3023 REVISION RECORD	DR .	9/3/92 Date	Sнеет 1 _{ОF} 3		NAME CABLE CLAMP FOR AMPLIMITE* CONNECTORS		

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 accor- dance to the rele- vant product dwgs		
Cable Pull out	Gradually apply weight to cable. See fig. 1 Maintain weight for 1 hour. IEC 512-5 test 8b	Retention: - Size 1 to 3: 20 N min - Size 4 to 5: 30 N min		
Thermal shoks	Subject mounted cable clamp onto connector and cable to 5 cycles (30° min.) from -40°C to 85°C. 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 sur- face as per fig. 2. Numbers of drops shall be 8 : 2 each 4 sides. IEC 512-5 Test 7b.	There shall be no damage which would impair normal operation		





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