APPLICATION SPECIFICATION

1. SCOPE

This specification covers the requirements for application of those Holland designed AMP-LATCH* ribbon cable connectors as mentioned in fig. 8.

NOTE Unless otherwise specified, all dimensions are in mm.
Inch equivalents may be obtained by dividing the dimensions by 25,4 (millimeters) and rounding to the nearest thousandth.

2. NOMENCLATURE

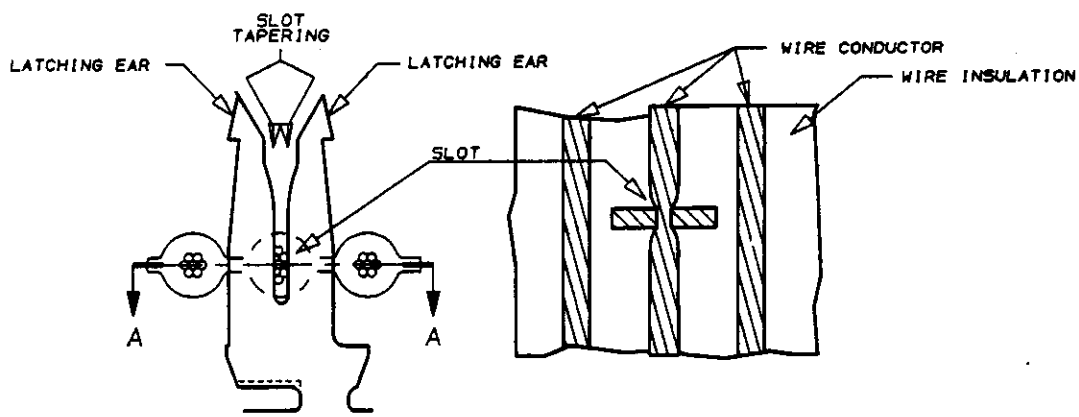


Figure 1

3. REQUIREMENTS

3.1 Cable Requirements

Stranded conductors: 0,09mm² (28AWG) 7-strands tinned copper.
Solid conductors: 0,25; 0,33; 0,4mm ø (30; 28; 26AWG. solid copper.)
Insulation: PVC - cable thicknesses see ② in Figure 2.
Insulation resistance: 10.000 megohms per 3m.
Voltage Rating: 300 Volts per UL Style 2651.
Temperature Rating: -20°C to +105°C.

* Trademark of AMP Incorporated.

				DR. W. VERBEET	DATE 30-03-90	AMP	AMP-HOLLAND B.V. s-Hertogenbosch, The Netherlands.
LOC. H				CHK. R VERSTIJNEN	DATE 13-9-'90	NAME APPLICATION OF AMP-LATCH, RIBBON CABLE CONNECTORS.	
SIZE A4	LTR	REVISION RECORD	DR.	APP. L v SOEST	DATE 17.9.90	NO. 114-19022	SHEET 1 OF 7 / REV. 0

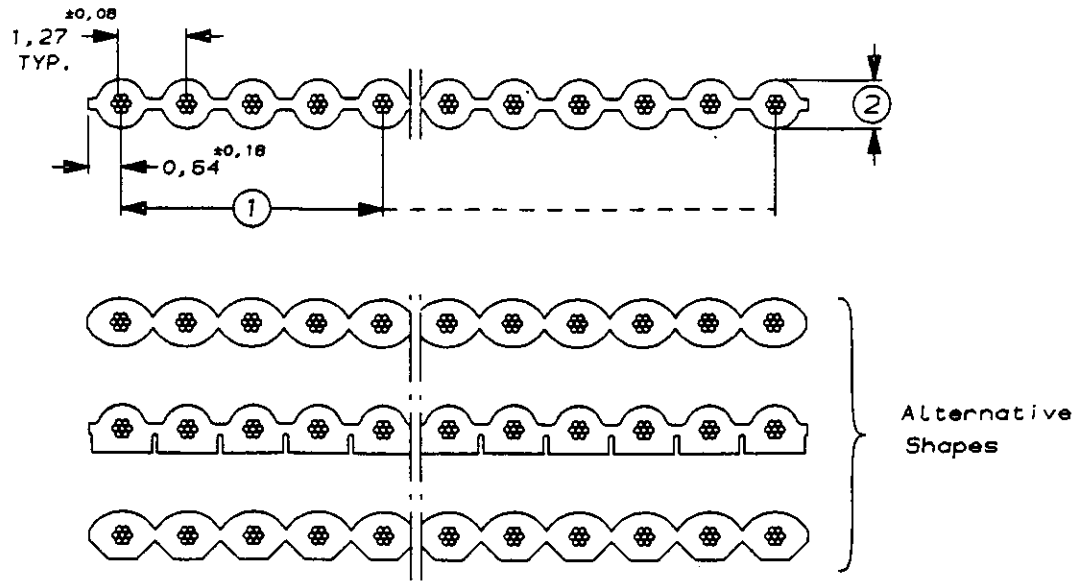


Figure 2

(1) Tolerance on dimensions between conductors:

1&5 thru 1&34 ±0,25

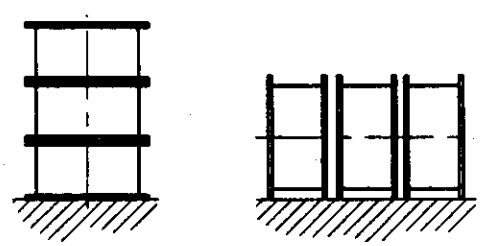
1&35 thru 1&64 ±0,38

(2) Thickness: $0,94^{\pm 0,20}$ for cable with stranded conductors.

$0,84^{\pm 0,15}$ for cable with solid conductors.

Ribbed shape of insulation shall be symmetric regarding to conductors.

To prevent conductor spacing deformation, coils shall be stored as indicated in figure 3.



Store and transport prescription

Figure 3

AMP SECURITY CLASSIFICATION

NUMBER 114-19022

LOC. H

SIZE A4

AMP

AMP-HOLLAND B.V.
's-Hertogenbosch,
The Netherlands.

NAME APPLICATION OF AMP-LATCH, RIBBON CABLE CONNECTORS.

NO. 114-19022 | SHEET 2 OF 7 | REV. 0

R6-77

3.2 Cable Preparation

Each cable end shall be cut straight and perpendicular to the edge of the cable as indicated in figure 5.
proper cutting tooling shall be used, by preference with cutting construction as indicated in figure 4, to avoid conductor spacing deformation and burrs.

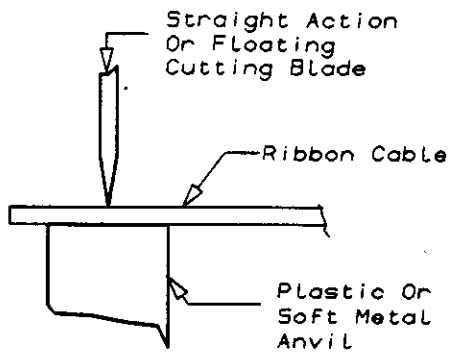


Figure 4

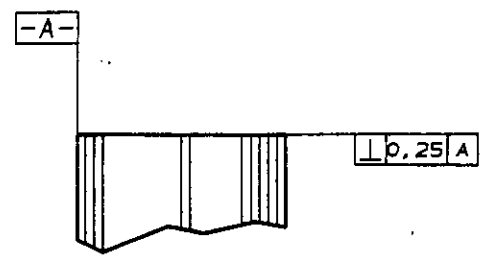


Figure 5

3.3 Cable Location

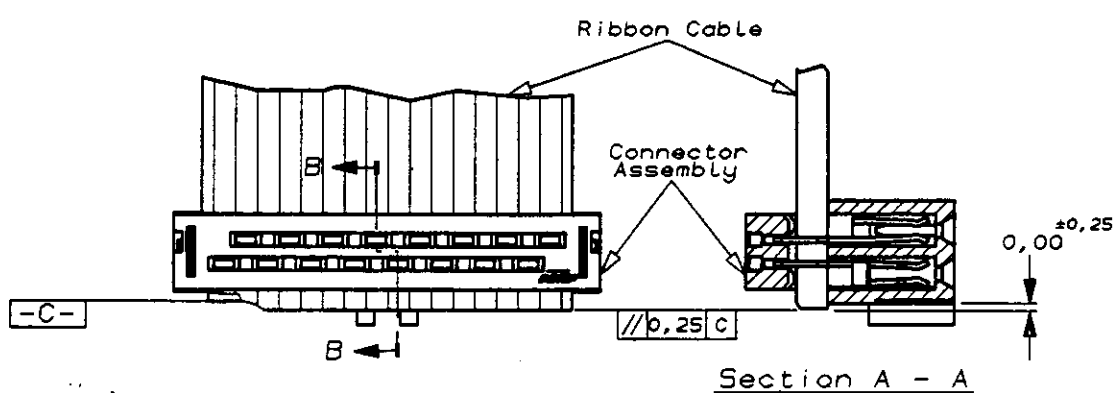


Figure 6

Cable shall be located relative to the front of the connector assembly within the limits indicated in figure 6.

3.4 Terminal Position

A. Alignment

Each terminal shall straddle the conductor in the area of termination as indicated in figure 1.

B. Exposed Copper

There shall be no visually exposed copper chips or broken strands.

3.5 Cover

A. Alignment

After the cover is applied, both terminal tips shall be visible in each window as indicated in figure 7. If one is missing this is a good indicaton that it is bent downward under the cover and is cause for rejection.

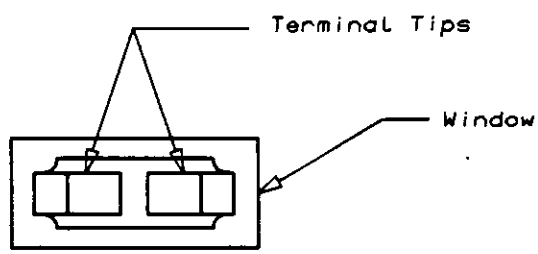


Figure 7

B. Securement Of Cover

It shall be assured that cover is securely applied to the terminated housing assembly.

3.6 Termination Height

Termination heights of relative connectors are shown in figure 8 and shall be measured at both connector ends.

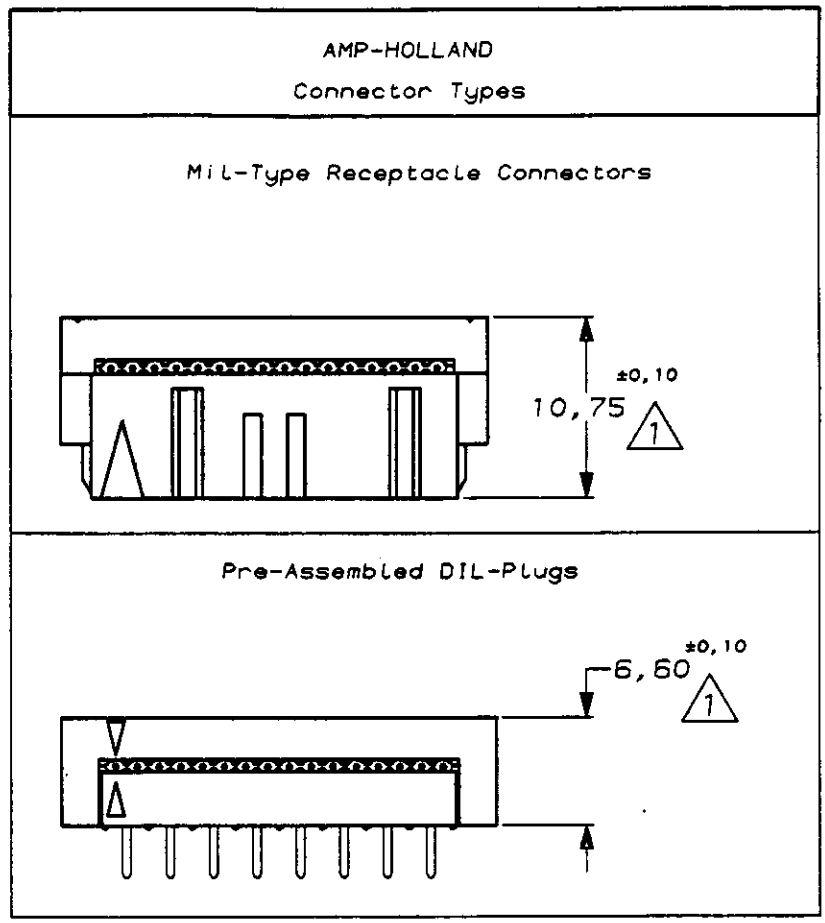


Figure 8

1. On condition that cable is used having thickness within range as specified in DIN VDE 0811, the termination height shall be within DIN 41651.

1. VISUAL AID

Figure 9 and 10 show the visible requirements upon the terminated AMP-LATCH Connectors and shall be used by production personnel to visually ensure a proper applied product. Applications which are not visually correct shall be dimensionally inspected using the information given in the main body of this specification.

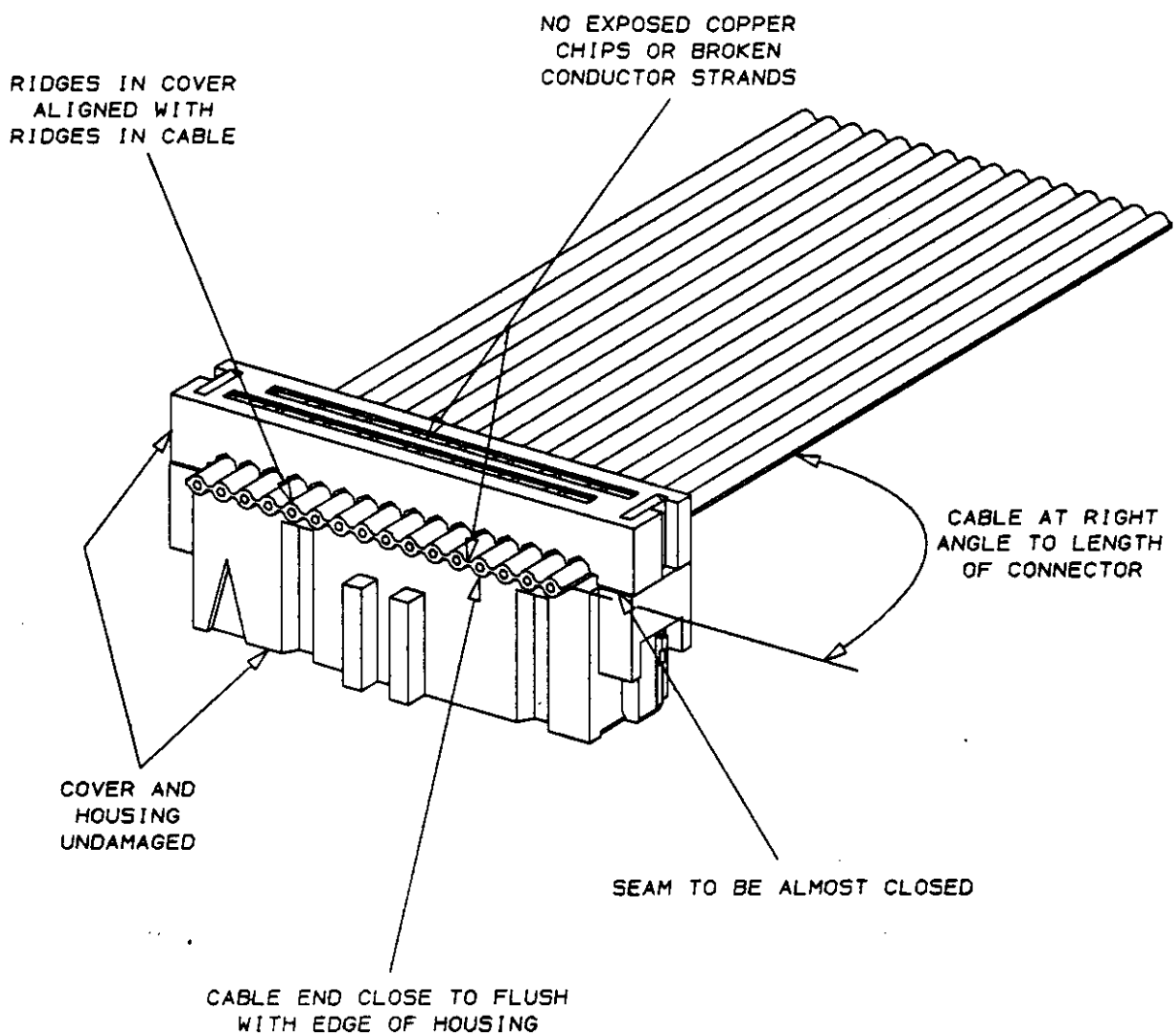


Figure 9

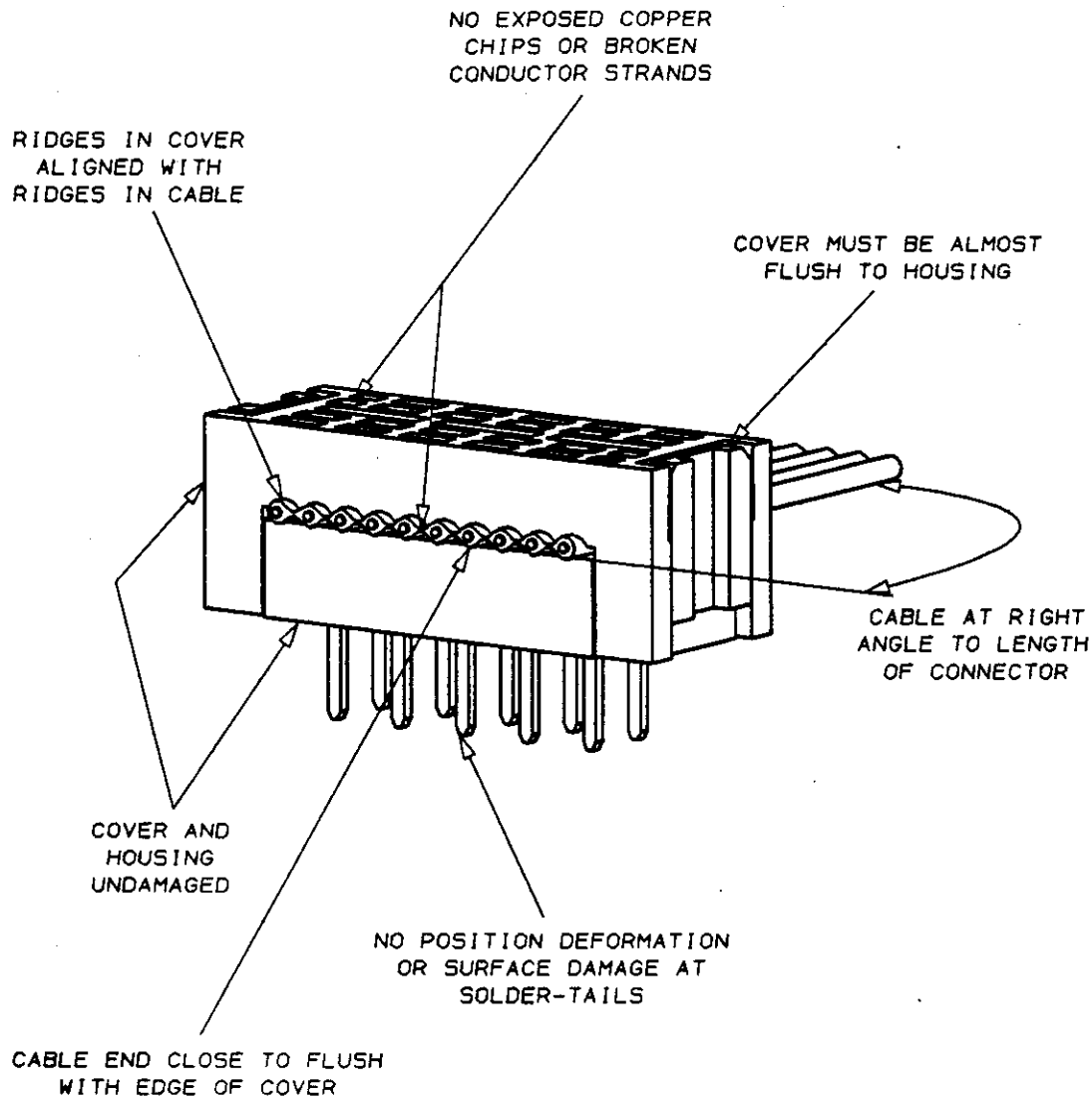


Figure 10