

1. SCOPE

This specification covers the requirements for application of the HVSL1000 08X connector

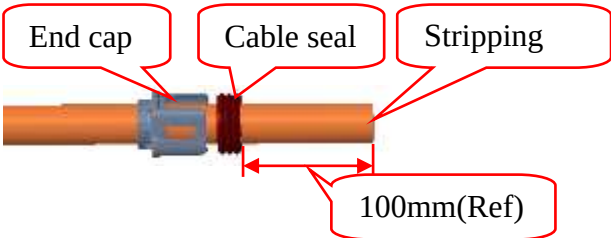


2. ASSEMBLY INSTRUCTIONS

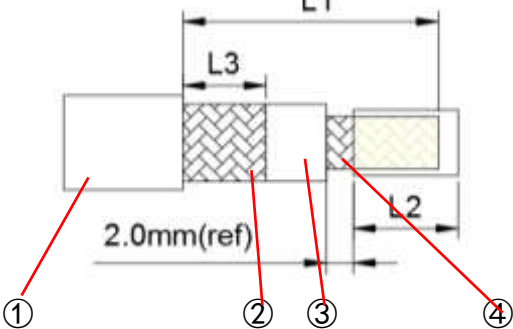
2.1 Cable specification.

Cable spec.	OD (mm)
25mm ²	11. 6–12. 2
35mm ²	13. 9–14. 5
50mm ²	16. 2–16. 8
70mm ²	18. 5–19. 5

2.2 In order shown in figure, slide end cap and cable seal onto the cable sheath



2.3 Strip and remove outer sheath, screening braid, inner sheath and conductor from the end as shown below

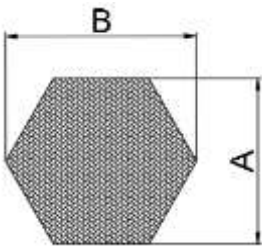
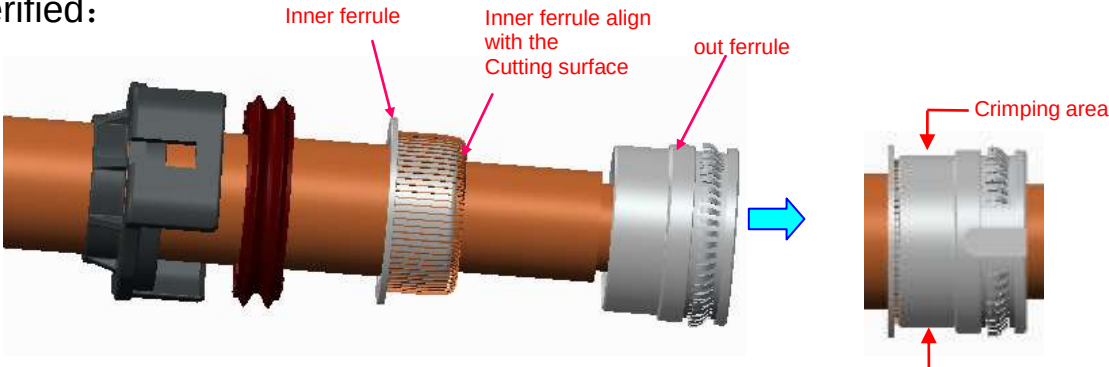


Cable spec	L1 (mm)	L2 (mm)	L3 (mm)
25mm ²	39. 0±0. 5	19. 0±0. 5	8. 0ref
35mm ²			
50mm ²			
70mm ²			

Amphenol PCD Shenzhen	Application Specification for HVSL1000 08X	Doc. No.: APCD-TD-398
		Rev.: A
		Page: 3 of 4
Subject: Application Specification for HVSL1000 08X		Eff. Date: 2018-01-31

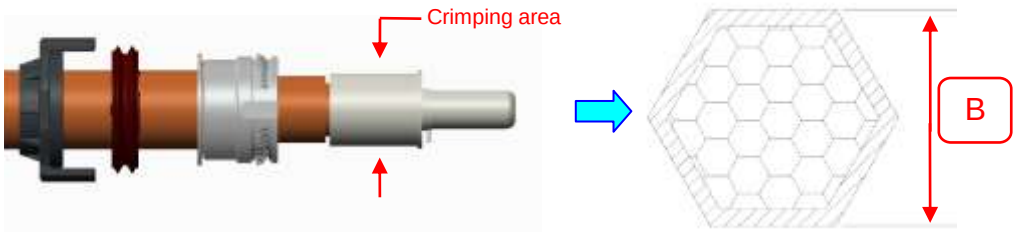
1—Outer sheath 2—Screening braid 3—Inner sheath 4—Conductor
 Stripping dimensions for exposing cable

2. 4 Slide inner ferrule until one end align with outer sheath cutting surface, then raising screening braid equally over perimeter and reverse cover with the outer sheath. Slide the out ferrule until it stop by the inner ferrule edge, Crimp shield tube with tool. The following inspection dimensions at minimum must be verified:

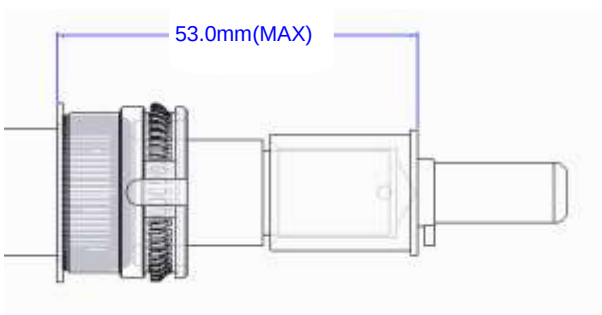


Cable spec.	Dimension A (mm)	Dimension B (mm)	tension force(N)
25mm ²	17. 5±0. 1 (ref)	18. 6±0. 1 (FYI)	≥100N
35mm ²	17. 5±0. 1 (ref)	18. 6±0. 1 (FYI)	
50mm ²	20. 5±0. 1 (ref)	21. 2±0. 1 (FYI)	
70mm ²	22. 5±0. 1 (ref)	23. 2±0. 1 (FYI)	

2.5 Insert conductor into the hole of the contact, then crimp it with tool or machine. The following inspection dimensions at minimum must be verified:

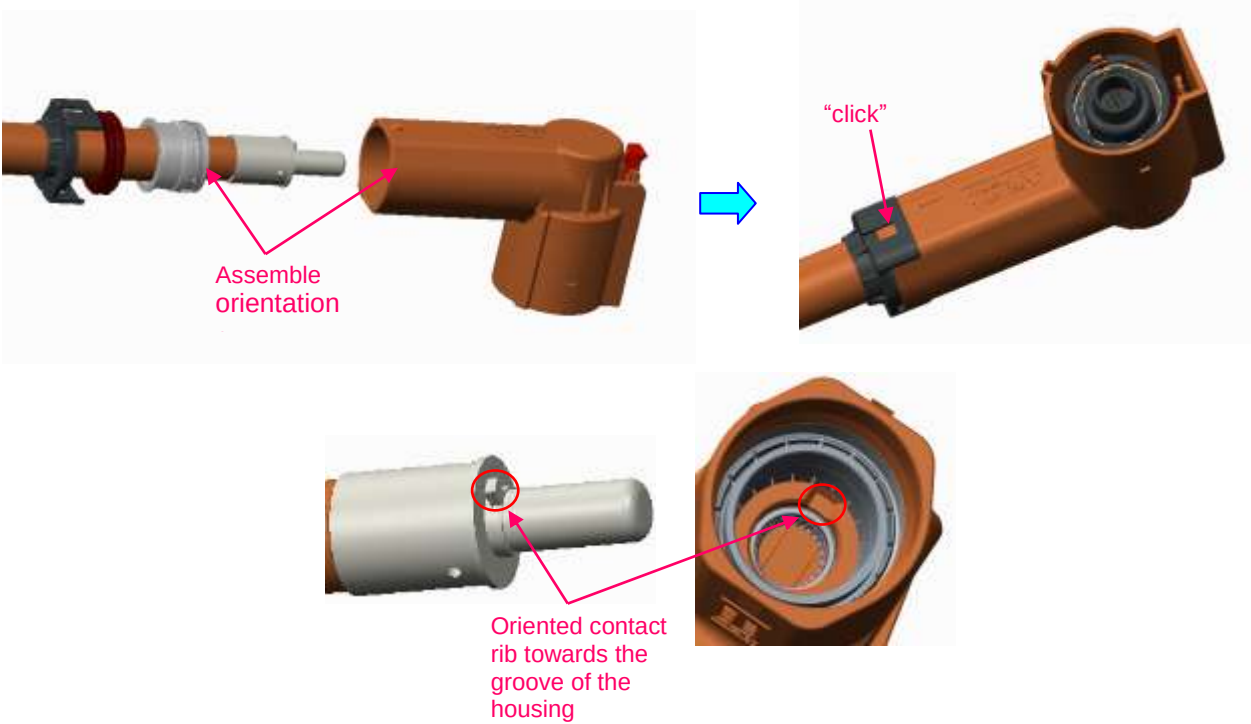


Amphenol PCD Shenzhen	Application Specification for HVSL1000 08X	Doc. No.: APCD-TD-398
		Rev.: A
		Page: 4 of 4
Subject: Application Specification for HVSL1000 08X		Eff. Date: 2018-01-31



Cable spec.	Dimension B(mm)	Tension force
25mm ²	7.3 (ref)	≥2300N
35mm ²	9.2 (ref)	≥2800N
50mm ²	10.5 (ref)	≥3300N
70mm ²	12.8 (ref)	≥3900N

2.6 Insert connector component into the plug housing as show below.



3 TEST INSTRUCTION

- 3.1 100% Hi-pot test、insulation test
AC3000V, 10S, leakage current≤5mA,
DC 500V,10S,insulation resistance≥100MΩ
- 3.2 100% continuity test
- 3.3 100% IPX7 water proof test