



XAGA 550



Joint closure system for unpressurised copper telephone networks



General

1. High performance heat shrinkable closure for unpressurized applications
2. Widely used in overhead deployments of pipeline, the splice closure of buried cable; able to work under an environment of -30 to +90C.
3. The heat shrinkable sleeve has an aluminum layer and get a super moisture-resistant performance
4. It is of super composite fiber structure and secondary sealing, featured by high mechanical strength, strong tear resistant, and strong shrinkage and excellent resistance to weathering.
5. Super Sleeve sealing gel material is composed of several layers of specially blended polymers, adhesives and fiber-reinforcing layer. The fiber-reinforcing layer provides excellent mechanical strength and eliminates the propagation of localized damage that can result from overheating or other errors in installation. Once the closure sleeve has been installed, the composite design of the Super Sleeve sealing gel material provides superior mechanical protection from forces such as impact, abrasion, UV light, and atmospheric contamination.
6. The closure bears an excellent sealing performance under both high and low temperature as well as normal temperature; The softening point can be up to 130 degrees centigrade, suitable for the area of high ambient temperature.
7. Range of closures to suit all cable sizes
8. Simple and easy to install
9. Unlimited shelf life



More information about heat shrinkable sleeves; It is composed of 5 layers:

1st layer: polyethylene film

2nd layer: High Density Web (heat shrinkable thread + glass fiber)

3rd layer: polyethylene film

4th layer: Aluminum film (only for RSBJ/super moisture-resistant performance)

5th layer: Hot-melt Adhesive

List of Assembly Parts:

Heat shrinkable sleeve

Metal canister (Aluminum)

Flexible stainless-steel channels (stainless steel)

Branch off clip (duralumin + Hot-melt Adhesive)

Nylon binding strip (Nylon)

Abrasive strip (cloth covered with powdered emery)

PVC adhesive tape (PVC)

Cleaning cloth (absolute ethyl alcohol + non-woven fabrics)

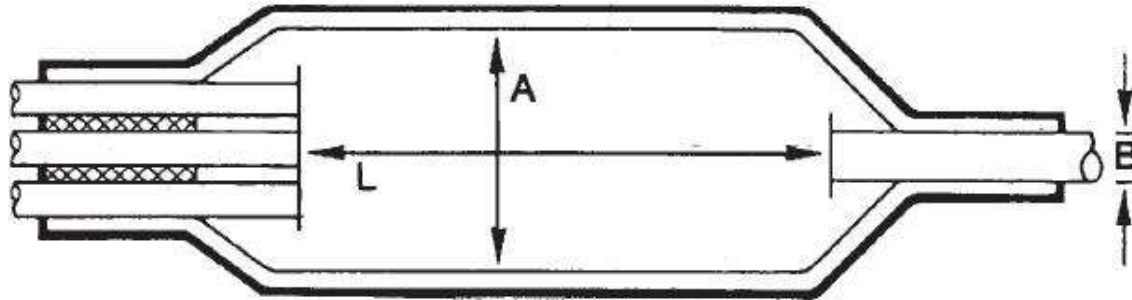
Shield continuity wire (power line + copper clip)

Aluminum cable tape (Aluminum)

Aluminum closing strip (Aluminum)



Technical Specifications of Heat Shrinkable Splice Closure XAGA 550 for Non-pressurized cables



Specifications	Splice bundle dia. Max.(mm) (A)	Single cable dia. Min.(mm) (B)	Sheath opening length (L)	Applicable cable pairs
				Wire dia.0.4-0.5mm
43/8-150	43	8	150	10-30
43/8-300	43	8	300	40-50
43/8-350	43	8	350	50-80
55/12-300	55	12	300	50-100
75/15-220	75	15	220	100-150



75/15-300	75	15	300	100-200
75/15-350	75	15	350	150-200
75/15-500	75	15	500	200-300
92/25-500	92	25	500	300-500
125/30-300	125	30	300	500
125/30-500	125	30	500	600-1200
160/42-500	160	42	500	1400—1800
200/65-500	200	50	500	1800—2400
Remarks: provide customization service Min. purchase quantity: 500 sets				



Test Report

Joint closure system for unpressurised copper telephone networks (XAGA 550)

1	Tightness test in normal temperature	Inside pressure:70 Kpa±2kpa. Immerse in water at 23°C±3°C for 15 mins. There should be no sign of air leakage from the complete closure joint.	PASS
2	Temperature Cycling	Inside pressure: 35Kpa±2kpa.Temperature:(-30°C---60°C) ±2°C.Temperature cycles from -30°C to 60°C with 12 hours duration for 10 cycle. It should remain in high temperature and low temperature≥4hours.Afer that, do test 1.	PASS
3	Tightness test in high temperature	Inside pressure:35kpa±2kpa. At 60°C±2°C with 168 hours duration. After that, do test 1.	PASS
4	Axial tension	Inside pressure:35 Kpa±2kpa. Axial tension: D/45X700n. Max:700N±10N,24 hours duration. After that, do test 1.	PASS
5	Bending	Inside pressure:35 Kpa±2kpa.Bend the cable 30°for 500N max. force, two complete flexure cycles. After that, do test 1.	PASS
6	Torsion	Inside pressure:35 Kpa±2kpa. 90-degree max rotation for 2 complete torsion cycles. Max:50N*m. After that, do test 1.	PASS
7	Static load	Inside pressure:35 Kpa±2kpa.Apply a load of 40N/cm ² perpendicular to the closure surface for 5 mins, and repeat the same at the diagonally opposite surface. After that, do test 1.	PASS



8	Impact test in low temperature	Inside pressure:35kpa±2kpa, put the closure at -75°C±2°C for 4 hours. A steel ball of 500g shall drop from a 1m height for a direct impact on the surface (two ends and middle part). After that, do test 1.		PASS
9	blunt knife test	After doing the blunt knife test, the heat shrinkable closure should pass test 1.		PASS
10	Fracture strength after heating and aging	RSBJ≥2700N		PASS
11	stretching resistance after heating and aging	RSBJ≥13.7Mpa		PASS
12	hot melt adhesive peeling strength	≥120 N/25mm	The result is 298	PASS
13	heat shrinkable sleeve strong tear resistant	Not propagate the split		PASS
14	Length change of heat shrinkable sleeve	%-10----+10	The test result is -1	PASS