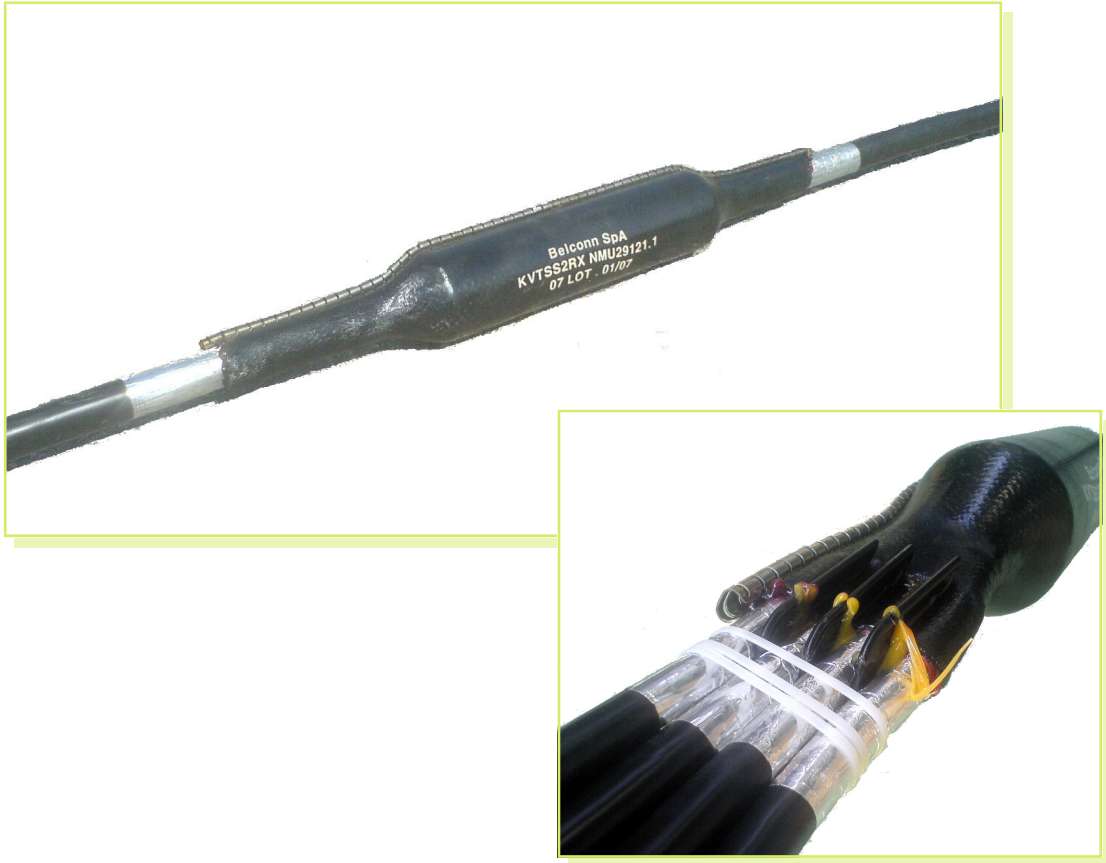


## KVT SERIES

## DUAL LAYER HEAT SHRINKABLE CLOSURES



KVT are heat shrinkable closures specifically suitable for jointing and branching copper pair cables, featuring the highest degree of reliability over time.

Being suitable for pressurised and unpressurised cables, with PVC, HDPE or lead jackets, KVTs can be utilised for different installation techniques within the outside plant access network, including aerial, buried or ducted installations.

The external sleeve is made from heat shrinkable, premium quality **double layer** reinforced polyolefin, internally coated with hot melting adhesive and externally spotted with thermo sensitive coating. The design is optimised for fast shrinking time, high shrink ratio and excellent physical and chemical behaviour.

Three basic models are available, complying with different cables sizes:

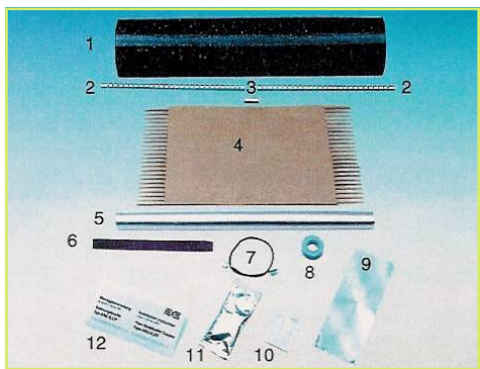
- "T" types have aluminium/paper liner and are suitable for buffered type cables;
- "S" type have solid aluminium canister for higher reliability and capacity
- "SV" types feature an extra pressure valve for pressurised dry cables.

Sizes are available to suit small joints (10-50 prs) as well as large (> 2000 pairs), scaled to match different cable diameters.

Products are supplied in kit form together with all installation instructions. Branch off kits are available for multiple cable (i.e. branching) installations.

**KIT CONTENTS**

**"T" TYPE**



1	Reinforced h/s sleeve
2	Closing channel(s)
3	Retention clip
4	Al coated paper liner
5	Laminated al foil
6	Emery strip
7	Shield connection lead
8	Plastic adhesive tape
9	Flame protection foil
10	Cleaning tissue
11	Dessicant
12	Installation instructions

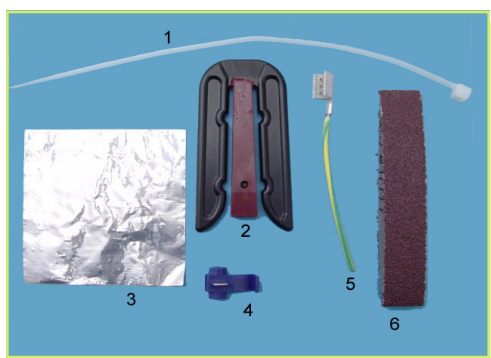
**"S" / "SV" TYPE**



1	Reinforced h/s sleeve
2	Closing channel(s)
3	Retention clip
4	Al canister
5	Emery strip
6	Shield connection lead
7	Plastic adhesive tape
8	Aluminium adhesive tape
9	Flame protection foil
10	Cleaning tissue
11	Dessicant
12	Installation instructions

**SV** types feature an extra valve kit

**BRANCH OFF KIT**



1	Nylon strip
2	Branching clamp
3	Aluminium foil
4	Bridging clip
5	Shield connection lead
6	Emery strip

**TECHNICAL FEATURES <sup>(1)</sup>****SLEEVE MATERIAL**

Material	Double reinforced sleeve, based on polyolefin, with thermo sensitive external coating and hot melting adhesive internal coating
H <sub>2</sub> O absorption (UNI ISO 62)	< 0.1% after 24 hours
Heat sensitive coating	Acts between 200-270 °C
Dielectric strength (UNI 429-1-72)	> 12kV/mm

**ADHESIVE MATERIAL**

Detach force	$\geq 150$ N on PE $\geq 100$ N on Pb $\geq 50$ N on PVC
Tear resistance (ISO 4587)	Better than 1000 N @ 23°C

**OVERALL SPECIFICATIONS**

Insulation resistance in water @40 °C	>20 GOhm after 480 hours
Impact test	5kg @100 cm height fall
Pressure test (S-SV type)	> 210 kPa for 3 hours > 130 kPa for 28 days
Axial tension	>50kPa (T) >100kPa (S, SV)
Torsion test	5 cycles @90 deg (S, SV) 2 cycles @90 deg (T)
Vibration test	3Hz, 6 mm pp, 10 days

(1) 3rd party test reports of individual parameters available

## CODING

**"T" TYPE: Aluminated paper liner—For buffered type cables**

Coding	Typical capacity (pairs) (1)	Max splice bundle (mm)	Min Cable diameter (mm)	Nominal sheath opening (mm)	Branch off kit
KVTT43/8-150	10-20	43	8	150	Included
KVTT43/8-300	50-100	43	8	300	Included
KVTT55/12-150	10-50	55	12	150	Included
KVTKT1RX	20-50	55	12	250	KVTFORCHT1 (2)
KVTT55/12-300	20-100	55	12	300	Included
KVTT75/15-350	100-200	75	15	350	Included
KVTKT2RX	100-200	75	15	350	KVTFORCHT1(2)
KVTT75/15-350	100-200	75	15	350	Included
KVTT122/30-300	200-600	122	30	300	Included
KVTKT3RX	400-800	125	30	500	KVTFORCHT2 (2)
KVTT160/42-500	400-800	160	42	500	Included

**"S" TYPE: ALUMINIUM CANISTER—for buffered cables, high capacity**

Coding	Typical capacity (prs) (1)	Max splice bundle (mm)	Min Cable diameter (mm)	Nominal sheath opening (mm)	Branch off kit
KVTS43/8-200	10-50	43	8	200	Included
KVTS75/15-300	50-100	75	15	300	Included
KVTS120/28-500	400	120	28	500	Included
KVTS160/55-500	800-1600	160	55	500	Included
KVTS200/65-500	2000	200	65	500	Included

**"SV" TYPE: ALUMINIUM CANISTER with pressure valve —for dry cables**

Coding	Typical capacity (prs) (1)	Max splice bundle (mm)	Min Cable diameter (mm)	Nominal sheath opening (mm)	Branch off kit
KVTSS1RX	100-200	75	20	300	KVTFORCHS1 (2)
KVTSS2RX	400	95	30	500	KVTFORCHS1 (2)
KVTSS3RX	400	122	38	500	KVTFORCHS1 (2)
KVTSS4RX	800-1600	140	44	500	KVTFORCHS2 (2)
KVTSS5RX	2400	200	65	600	KVTFORCHS2 (2)

### NOTES

- (1) Typical capacity may vary depending on conductor diameter and joint connector type  
 (2) Branch off kits available separately

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