

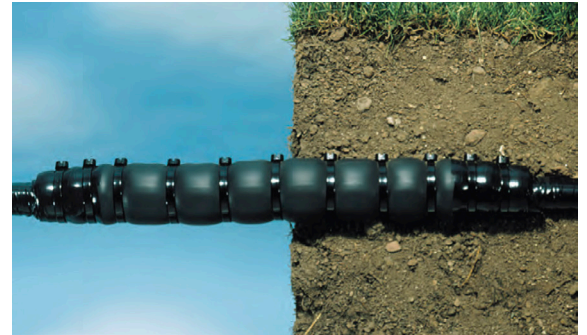
Kold-N-Klose®

Splice & Sheath Repair



Features & Benefits

- Meets Telcordia Industry Standards
- Most Kold-N-Klose (KNK) kits are USDA RUS/RDUP listed
- Can be installed under severe environmental conditions
- Heat-free installation
- Designed to remain flexible
- No special tools required
- Specialized packaging
- No bleed-down required on pressurized cable repairs
- Quality engineered
- Field support/field training
- Time proven



Overview

PPC's Kold-N-Klose (KNK) is a permanent multi-application splice and sheath repair system. The flexible and craft-friendly components can be configured to serve the user's specific needs, including simple sheath damage repair, and encapsulation of buried or aerial splices. KNK can be used on filled or aircore, plastic or lead, and pressurized cable.

Technical Data

Kold-N-Klose Sheath Repair System

Typical Material Requirements for Sheath Repairs 200 Pair Cable - Plastic or Lead Sheath

Application	Sheath Opening	TBT04 Wrap*	TBT20 Sealant	TBTDR2 DR Tape	TBT50 Pressure Tape	Sheath Repair Sleeve	
						Length	Sleeve** Part Number
	(inch)	(ft)	# of Strips	(ft)	(ft)	(inch)	
Pressurized Trouble Opening	18	12	12	21	48	42	TBT93xx
Non-pressurized Trouble Opening	18	12	12	-	Option	33	TBT92xx
Auxiliary Joint	-	-	2	4	12	13	TBT93xx
Isolation Joint	3	6	9	6	35	20	TBT93xx
Tree Rub - 6 inch	None	-	-	-	-	12	TBT92xx
Sheath Pullout (Aerial Terminal)	12	6	1	-	-	16	TBT92xx

*For PIC cable only. Use muslin for pulp or paper cable.

** xx=05 for 5ft roll or xx=20 for 20 ft roll of sheath repair sleeve

Note: For information regarding the full range of repair applications, material requirements for other cable sizes or a complete set of installation procedures, contact your PPC representative or call our customer service team at (800) 800-6652.

Kold-N-Klose® Splice & Sheath Repair



Technical Data (cont)

Kold-N-Klose Encapsulation System

Typical Material Requirements for Splicing

Cable Pair Count	Sheath Opening	TBT20 Sealant	TBT50 Pressure Tape	TBT60 Encapsulation Kit	Sheath Repair Sleeve			Approximate Encapsulant Required
					Length	Number of Lengths	Sleeve** Part Number	
	(inch)	# of Strips	(ft)	(Applications per Kit)	(inch)			(g)
25	8	3	9	15	20	1	TBT93xx	500
50	8	4	12	15	20	1	TBT93xx	500
100	10	4	12	10	22	1	TBT93xx	750
200	18	4	15	7	30	1	TBT93xx TBT91xx	750-1500
400	18	4	25	4	30	2	TBT93xx	1500-3000
600	18	5	35	4	32	2	TBT93xx TBT91xx	2600-3800
900	18	6	45	3	32	3	TBT93xx	3800-5000
1200	36	12	80	2	54	3	TBT93xx	5700-7600
1500	36	12	90	2	54	3	TBT93xx	7600-9500
1800	36	16	105	1	54	3	TBT93xx	7600-9500
2400	36	16	120	1	54	3	TBT93xx	10000

** xx=05 for 5ft roll or xx=20 for 20 ft roll of sheath repair sleeve

- Notes:**
1. Sheath repair sleeve can be used in any combination of sizes to meet the size requirements of the splice or repair. For a complete set of installation procedures, contact your PPC representative or call our customer service team at (800) 800-6652.
 2. When the length or diameter of the splice requires more than one piece of sleeve, they are applied by overlapping the pieces of Kold-N-Klose sleeve material (saddle method), or by half-lapping the Kold-N-Klose sleeve material around the encapsulated splice. This method eliminates splice diameter restrictions on the use of Kold-N-Klose.

Ordering Information

Sheath Repair Sleeve

A tough, flexible, neoprene rubber sleeve, coated on one side with a butyl mastic sealant, is used as the outer covering on repairs and splices. It provides long-lasting sealed protection against the environment. The sleeve is packaged in rolls with cable ties included. Minimum order is 1 carton.



PPC Part Number	Size	Sleeve Packaging (per carton)	Sleeve Width (in)
TBT9105	1	4 x 5 ft Rolls of Sleeve Material	4 ¾
TBT9205	2	4 x 5 ft Rolls of Sleeve Material	7
TBT9305	3	4 x 5 ft Rolls of Sleeve Material	8 ½
TBT9405	4	4 x 5 ft Rolls of Sleeve Material	12 ½
TBT9120	1	1- 20 ft Rolls of Sleeve Material	4 ¾
TBT9220	2	1- 20 ft Rolls of Sleeve Material	7
TBT9320	3	1- 20 ft Rolls of Sleeve Material	8 ½
TBT9420	4	1- 20 ft Rolls of Sleeve Material	12 ½

These products may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents

Kold-N-Klose® Splice & Sheath Repair



Ordering Information (cont)

Encapsulation Kit

Bulk packaging allows repairs or splices on 25-pair to 2400-pair cables of any opening length or splice diameter without waste. For example, kit contains enough material to effect 8-10 repairs or splices on 100-200-pair cable or two splices on 1500-pair etc. This reduces inventory requirements. Minimum order is 1 kit. To complete a splice or sheath repair, select the appropriate encapsulation kit plus required sizes of sheath repair sleeve.



PPC Part Number	Description
TBT60	Strain Relief, Spacer Web, Web Funnels, Klear-Wrap, End Tape, Splice Envelope and Diamond-Tek
TBT61	Strain Relief, Spacer Web, Web Funnels, Klear-Wrap, End Tape, Splice Envelope and Diamond-Tek with the Addition of TBT50 Pressure Tape
TBT62	Strain Relief, Spacer Web, Web Funnels, Klear-Wrap, End Tape, Splice Envelope and Diamond-Tek Addition of TBT20 Sealant

Klear Wrap

All-purpose wrap used to contain, protect and shape the splice bundle. Clear, non adhesive, vinyl material allows easy re-entry into repaired cable. Blends with all colors. Non-conductive and self-adhering. Will not absorb moisture. 8 rolls per carton. Minimum order is 1 carton.



PPC Part Number	Thickness (mm)	Length Per Roll (ft)	Width (in)
TBT03	3.0	50	4
TBT04	1.5	150	4

Note: TBT03 should be used to 'wrap down' encapsulated splice envelope, due to its increased thickness and strength.

TBT20 - Sealant

All-purpose, non-conductive sealant; broad operating temperature range: -20°F to 140°F / -29°C to 60°C (installation), -60°F to 200°F / -51°C to 93°C (service); homogeneous and non-toxic; compatible with industry standard encapsulants. The TBT20 name is identified on the release liner to prevent confusion with other sealants. Provided in 2x12 inch strips, individually separated and packaged in cartons of 100 feet (10 bundles of 10, TB20 strips). Minimum order is 1 carton.



PPC Part Number	Description
TBT20	Sealant Strips, 2" x 12", Package of 100 Strips

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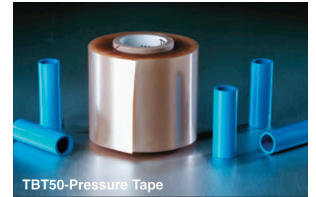
Splice & Sheath Repair



Ordering Information (cont)

TBT50 – Pressure Tape

High strength Mylar tape for use on pressurized repairs and encapsulated splicing applications. Supplied in 2 inch wide, 40 yard rolls. Each roll is sealed in its own polybag with several pressure venting tubes. 12 rolls per carton - Order by roll. Minimum order is 1 roll.



PPC Part Number	Description
TBT50	Mylar Wrap, 2" Width, 40 Yards Length

TBT69 – Strain Relief Kit

Unique, flexible, strong and easy to use method of strain relief. Can be used wherever a sheath opening is made - to prevent sheath creep. Provides additional strength across cable opening to prevent shield bond connector pull-out. Kit contains: 40 feet of high strength Kevlar® strain relief tape, 10 foot emery cloth strip and 50 Diamond-Tek. Minimum order is 1 kit.



PPC Part Number	Description
TBT69	Strain Relief Kit, 40' Kevlar Strain Relief Tape, 10' Emery Cloth Strip, 50 Cable Ties

Diamond-Tek Ties

Kit will include Diamond-Tek that can be used with all industry tools.



PPC Part Number	Description
DT-D-RL-50	Delrin Cable Strap, Reel, Clamshell Case, 50'
DT-D-LH-25	Delrin Locking Head, Stainless Steel Pawls