

DERAY[®] COLDMELT

INSULATE
SEAL
PROTECT



LONGITUDINAL WATER BLOCKING SYSTEM

DERAY[®] Coldmelt is the ultimate water blocking system for automotive wire harness feed-through locations

FEATURES AND BENEFITS

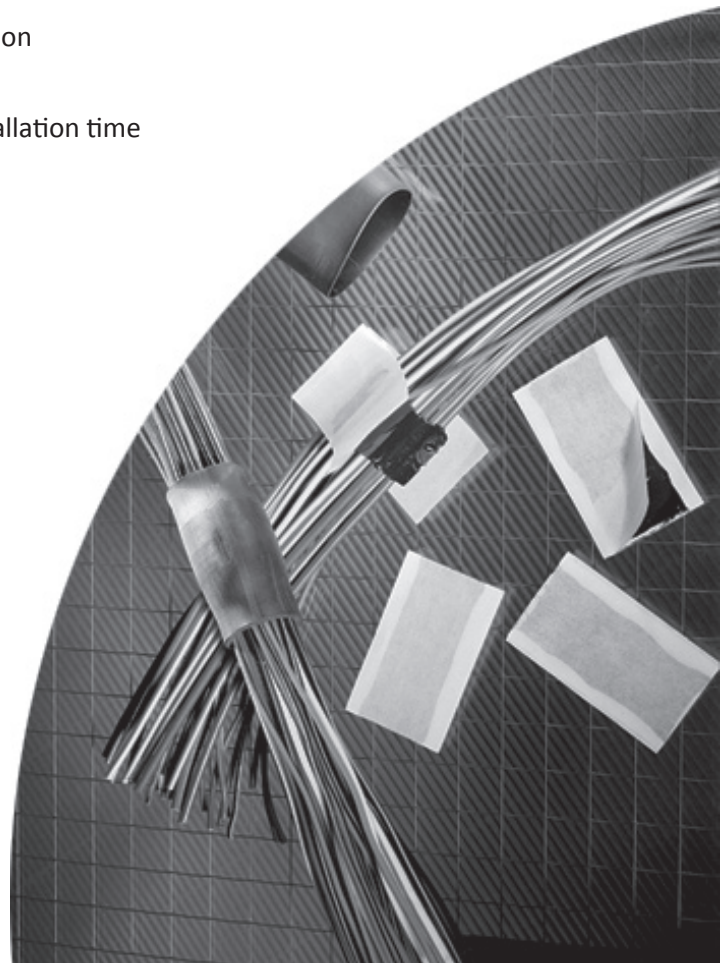
- A specially designed heat shrink tube, mastic strip and shrink oven system that seals 100% of the time
- Low temperature installation that reduces thermal stress and protects the cable insulation
- Cables are embedded individually into the mastic strips forming a barrier against fluids and moisture penetration
- Accommodates and seals harness bundles of up to 130 cables
- On or off-line installation to accommodate production requirements
- Grommet standardization
- Good adhesion on PVC, XLPE and PP-EPDM cable insulation
- Reduces total installed cost by eliminating drip loops
- Provides design flexibility that reduces wire harness installation time
- Operating temperatures: -55°C to 125°C

STANDARDS

- Approved to major OEM water blocking specifications

TYPICAL APPLICATIONS

- Water/moisture ingress elimination
- Noise dampening and reduction

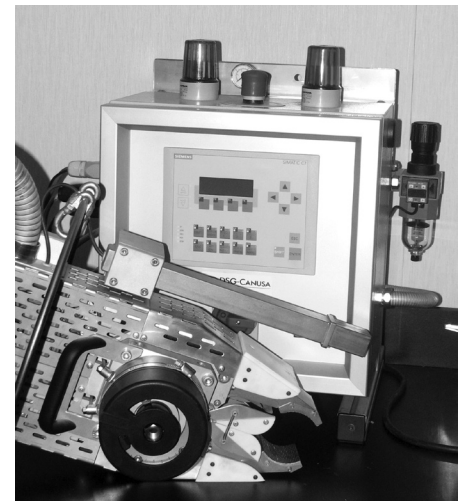


CS HEAT SHRINK TUBE DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				CUT LENGTHS	
	INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		TOTAL WALL THICKNESS (NOM)			
	MM	IN	MM	IN	MM	IN	MM	IN
0100	10.0	0.394	3.5	0.138	1.00	0.039	30.0	1.181
0180	18.0	0.708	5.0	0.197	1.20	0.047	30.0	1.181
0300	30.0	1.181	9.0	0.354	2.00	0.079	50.0	1.968
0350	35.0	1.378	13.0	0.512	1.90	0.075	62.0	2.440
0420	42.0	1.653	15.0	0.590	2.50	0.098	50.0	1.968
0500	50.0	1.968	15.0	0.590	2.50	0.098	62.0	2.440
0600	60.0	2.362	13.0	0.512	1.90	0.075	33.0	1.299

COLDMELT STRIP DIMENSIONS

WIDTH		THICKNESS		LENGTH	
MM	IN	MM	IN	MM	IN
19.0	0.748	1.5	0.059	25 to 125	1 to 5



DERAY[®] SealMan

INSTALLATION

DERAY[®] ColdMelt consists of two components:

- DERAY[®] ColdMelt strips - mastic adhesive strips used to embed all wires forming a water blocking barrier
- DERAY[®] CS heat shrink - low shrink temperature heat shrink to cover the ColdMelt strips to maintain a tight cylindrical bundle

The DERAY[®] SealMan oven (on-board or tabletop) is used to shrink the tubing and form the water blocking bundle.

ORDERING

- The product is customized for the application. Contact DSG-Canusa to determine requirements.