

PRODUCT BULLETIN



OS Closures for low pair copper cable splices



OS Closures;
One Step Small Closure
One Step Large Closure

OSS and **OSL** are low pair count copper cable splice protection closures.

For 2/4 pairs and up to 10 pairs Over Head (OH) and Under Ground (UG) applications. (With Scotchlok™ U/U2 series and/or MS²™ 10 pairs modular splicing).

OSS and **OSL** closures are one piece, tool-free, one-hand / one-operation, small size, mechanical, copper cable splice closures. Simply pressing the two shelves of the closure together by hand, closure locks and seals the splice. Closure body is made out of thermoplastic material and the sealing is a patented gel. Splice area in the middle of the closure is non-filled and the sealing material is surrounding the splice cell. Top shelf and bottom shelf of the closure are hinged from the back edge and when the closure is closed, sealing gel on the top and the bottom shelves meet/compress each other by sealing the cable entries automatically. "Cable Tie" and/or "special design build-in strain relief" provide cable retention. The design of the closure allows re-entries by simply unlatching the locking mechanism.

Applications

OSS and **OSL** have the similar features in terms of sealing properties and application area. The difference is the size and the splice capacity. They are designed for underground and overhead applications in Outside Plant and in buildings. General application area is in the distribution network side. Closures are typically used as 1 cable in-1 cable out in-line splice protection. **OSLC** and "one cable in two cables out" versions of **OSSC** can also be used for branching. **OSLC** is suitable for wall fixing.

Capacity

OSS closure is mainly for 2/4 pairs splices (w Scotchlok™ U/U2) protection and **OSL** closure is mainly for up to 10 a pairs splice (w Scotchlok™ U/U2) protection. **OSL** can also be used with MS² 10 pairs module. Both closures are, having IP67 protection class, suitable for UG (direct buried) applications as well as the overhead applications, which may require lower protection class.

Kit contents

OSS Closures are delivered in a box of 10ea. For the applications where the cable diameter is less than 5 mm, a small UV resistant cable tie (not supplied with Chicane version) can be used to provide additional cable retention. **(See packaging info)**

OSL Closures are packed as 10 ea in a carton box. Closures are provided with 2 big and 2 small UV resistant cable ties for cable fixing and providing cable retention. And 4 ea spring connectors are also included, in case shield bonding is required. Wall fixing screws need to be provided separately in case of wall mounting. **(See packaging info)**



For more details refer to the technical specifications.

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Features	Benefits
<ul style="list-style-type: none"> • Mechanical, • Easy to install, • UV resistant and IP 67 protection, • Non-craft sensitive and reliable • Re-enterable and re-usable. • Splice area is dry (no gel filing). • Up to 10 pairs application with Scotchlok™ and MS2™ <ul style="list-style-type: none"> • Cylindrical design • No deformation on the sealing area or splice area after the closure installation. 	<ul style="list-style-type: none"> • No need for special tooling or energy source. • Low installation time/cost. At "One step" sealing. • Suitable for most OH/UG application areas. • Simple and safe installation. • Maintenance cost saving. • Re-enterability. No cleaning needed. • Covers most of the cable diameters in the application range. Low inventory cost. • Environment friendly appearance. • Reliable.

Specifications

Technical characteristics	Physical characteristics																																																										
<p>OSSC</p> <table> <tr><td>Protection level</td><td>IP67</td></tr> <tr><td>Cable retention</td><td>Build-in SR &/or Cable Tie</td></tr> <tr><td>C. Retention (daN)</td><td>5</td></tr> <tr><td>Max. cable OD</td><td>6,5 mm (all versions)</td></tr> <tr><td>Immersion</td><td>14 days test, underwater</td></tr> <tr><td>Thermal ageing in AIR</td><td>-20°C to +60°C</td></tr> <tr><td>Storage temp test 3days</td><td>-30 <> +60</td></tr> <tr><td>Sealing material</td><td>Patented Gel</td></tr> </table> <p>OSLC</p> <table> <tr><td>Protection level</td><td>IP67</td></tr> <tr><td>Cable retention</td><td>Cable Tie</td></tr> <tr><td>C. Retention (daN)</td><td>5</td></tr> <tr><td>Max. cable OD (big)</td><td>13 mm</td></tr> <tr><td>Max. cable OD (small)</td><td>6,5 mm</td></tr> <tr><td>Immersion</td><td>14 days test, underwater</td></tr> <tr><td>Thermal ageing in AIR</td><td>-20°C to +60°C</td></tr> <tr><td>Storage temp test 3days</td><td>-30 <> +60</td></tr> <tr><td>Sealing material</td><td>Patented Gel</td></tr> </table>	Protection level	IP67	Cable retention	Build-in SR &/or Cable Tie	C. Retention (daN)	5	Max. cable OD	6,5 mm (all versions)	Immersion	14 days test, underwater	Thermal ageing in AIR	-20°C to +60°C	Storage temp test 3days	-30 <> +60	Sealing material	Patented Gel	Protection level	IP67	Cable retention	Cable Tie	C. Retention (daN)	5	Max. cable OD (big)	13 mm	Max. cable OD (small)	6,5 mm	Immersion	14 days test, underwater	Thermal ageing in AIR	-20°C to +60°C	Storage temp test 3days	-30 <> +60	Sealing material	Patented Gel	<p>Material : Molded thermoplastic</p> <p>Outer dimensions</p> <table> <thead> <tr> <th></th> <th>OSSC</th> <th>OSLC</th> </tr> </thead> <tbody> <tr><td>Length</td><td>140.0 mm</td><td>150.0 mm</td></tr> <tr><td>Width</td><td>36.0 mm</td><td>50.0 mm</td></tr> <tr><td>Depth</td><td>30.0 mm</td><td>40.0 mm</td></tr> </tbody> </table> <p>Splice area</p> <table> <thead> <tr> <th></th> <th>OSSC</th> <th>OSLC</th> </tr> </thead> <tbody> <tr><td>Length</td><td>71.0 mm</td><td>75.0 mm</td></tr> <tr><td>Width</td><td>16.0 mm</td><td>31.0 mm</td></tr> <tr><td>Depth</td><td>26.0 mm</td><td>34.0 mm</td></tr> </tbody> </table>		OSSC	OSLC	Length	140.0 mm	150.0 mm	Width	36.0 mm	50.0 mm	Depth	30.0 mm	40.0 mm		OSSC	OSLC	Length	71.0 mm	75.0 mm	Width	16.0 mm	31.0 mm	Depth	26.0 mm	34.0 mm
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Ordering Information

Ref.-No.

Description	MOQ	Ref.-No.
OSSC One Step Small Closure 1 to 1 Chicane version	10 ea	OSSC 121C
OSSC One Step Small Closure 1 to 2 Chicane version	10 ea	OSSC 122C
OSSC One Step Small Closure 1 to 1 Cable Tie version	10 ea	OSSC 121T
OSSC One Step Small Closure 1 to 2 Cable Tie version	10 ea	OSSC 122T
OSLC One Step Large Closure 2 to 2	10 ea	OSLC 222

Packaging

OSSC (Chicane)	10ea in a carton box w installation instructions.
OSSC (Cable Tie)	10ea + 20ea cable ties in a carton box w installation instructions.
OSLC	1ea w 4ea cable ties & 4ea spring force s/b connectors in a bag / 10 bags in a carton box w installation instructions.

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