

3M™ One Step Closure OSC30 for low-pair copper cable splices



3M™ One Step Closure OSC30

3M™ One Step Closures (OSC) are one-piece, tool-free, one-hand/one-operation, small size, mechanical, copper cable splice closures. Pressing the two shelves of the closure together, the latches will lock the closure and seals the splice. Closure body is made out of UV resistant 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 sealing the cable entries automatically. The design of the closure allows re-entries by simply unlatching the locking mechanism

Applications

3M™ One Step Closure (OSC 30) has similar features in terms of sealing properties and application area than the One Step Closure-Small and Large (OSC-S & OSC-L) .

The difference is the closure size and the splice capacity. OSC-30 closure is mainly for thirty-pair splice (with 3M™ Scotchlok™ Connectors) protection. OSC-30 can also be used with a 30-pair 3M™ MS₂™ Module.

It is designed for buried applications in Outside Plant and also where bonding is required.

OSC 30 closure is typically used as 1 cable in/2 cables out in-line splice protection and can also be used for branching.

Features

- Tool-less installation
- Simple "one step" installation
- UV resistant
- Splice area is dry (no gel filling)
- No deformation on the sealing area or splice area after the closure installation

Benefits

- Easy to install
- Quick to install , low installation cost
- Suitable for most overhead and underground application
- No cleaning needed upon re-entry ; reusable ; reenterable
- Reliable

Specifications

Outer Dimensions

Length = 295 mm
Width = 91 mm
Depth = 49 mm

Splice area dimensions

Length = 178 mm
Width = 55 mm
Depth = 40 mm

Cable Retention = cable tie

Up to 25 kg, depending of cable structure and sheath nature

Max. Cable OD

Small port = 8 to 13 mm
Big port = 13 to 18 mm

Weight = 260 gr per closure

Material body= molded thermoplastic

Material Sealing = patented gel

Color = black

Thermal ageing in AIR = -20°C to +60°C

Storage ageing test 3 days = -30°C to +60°C

IP 68 under 1 meter

IK 10 @ -15°C (1 kg steel ball from 2m high)

Ordering Information



3M™ One Step Closure OSC30 copper closure

MOQ = 10

Bag with 100 cable ties included in the box

Ref. No.

N 501652A

Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

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