

CONNECTING THE NEXT GENERATION

Q&A for the new Nexans EUROMOLD® 200LR and 200SR connectors.

Do I need to put field control mastic on the semicon step?

No field control mastic is required.

Because of the advanced mechanical and (di)electrical properties of the cable adapter ("field control element") supplied with every 200LR / 200SR kit, there is no need to apply any field control mastic on the semi conductive screen of the cable insulation. This way, both installation time and the risk of installation errors are reduced.

Can I use the connector outdoors?

Yes. The connector is perfectly suited for use outdoors and water sealing mastic is included in every kit.

By default, the 200LR and 200SR separable EPDM connectors are provided with water sealing mastic. This way, all kits are suitable for both indoor and outdoor applications.

Water sealing of copper wire screened cable

One layer of black (type NGAF) water sealing mastic is stretched tightly around the cable outer sheath. After bending back the copper screen wires, a second, tightly stretched, layer of the black water sealing mastic is applied.

Water sealing of copper tape screened cable

One layer of black (type NGAF) water sealing mastic is folded twice (= total of 4 layers) and placed under the flexible braid's solder block (moisture block). Then a second layer of water sealing mastic is applied around solder block and cable outer sheath, tightly stretched.

How difficult is it to fix the connector onto the bushing?

A new, patented bail system makes this very easy.

Both the elbow and straight version of the new 250A connector make use of a simplified, yet reliable bail system. No more fiddling with separate bail arms or small nuts, just one solid bail that easily snaps into position.

Bail installation 200LR

For hard-to-reach installations in confined spaces, it may be useful to apply a small dash of lubricant (silicone grease) on the 200LR separable connector surface. This way, the bail will snap into position more easily.

Bail installation 200SR

The length of each installed 200SR straight connector may vary slightly. (depending on the cable's diameter over insulation & the amounts of silicone grease used). Therefore, there can be some slack between the straight connector's end and its bail. This is perfectly normal. In case the bail is difficult to snap onto the straight connector, bending the connector's end a little bit, will allow the bail to snap into position.

Can I use the same product for all cable sections?

Yes, the same kit can be used for all stranded conductors from 25 up to 95 mm².

The GPH® designed and manufactured mechanical contact uses only one shear-off bolt, which can be tightened with a single hex key (SW 5 mm).

This allows for quick and easy installation, while still providing outstanding reliability.

Made of a dedicated aluminium alloy, the contact is suitable for both copper and aluminium conductors from 25 up to 95 mm².

Do I need 3 hands to install this connector?

No, this product can be installed by one person, even in difficult spaces.

This connector has a self-locking system. The designs of the mechanical contact and the EPDM connector body were closely aligned.

The offset that can be seen between an installed mechanical contact and the cable conductor-axis, is intentional.

This is perfectly normal and allows for the self-locking feature, while also centering the cable conductor in the EPDM connector body.

For what voltage classes can I use this connector?

This is a 10 kV, 15 kV and 20 kV product.

All 200LR and 200SR connectors are HD629.1 type tested and 100% factory tested to 24 kV (Um) level. For all conductor cross sections, they are suitable for up to 250 A In (cfr. the moulded-in marking.)

What is this ridge I see on the cable adaptor?

The "ridge" on the 200CA's is there to allow a robotized production process.

It can also be used as a grip-feature for the installer, when sliding the CA onto the cable. The ridge is however not an indication of how far the connector needs to be moved onto the cable adapter (e.g. if there is a lot of interference fit, the CA will 'shrink' more longitudinally, compared to an installation with less interference fit.)

What dimensions do I need to know to order my connector?

The voltage class is enough to order this product for standard cables.

The catalogue table shows that cable adapter 200CA-12 is suitable for 10 kV cables and 200CA-16 for 20 kV cables. This is based on standardized class 2 cable diameter over insulation (DOI). Non-standard cable, class 5 cable and solid cable may have a deviating DOI and should use a cable adapter with a suitable range.

Note: All cable adapter sizes are suitable for all network voltages up to and including 24 kV (Um).

E.g.: For an 10 kV cable with a non-standard, oversized DOI of 23 mm, cable adapter size 16 (range 17,5-25 mm) should be used instead of cable adapter size 12 (as its range of 13-21 mm is too low for a DOI of 23 mm).