



 **EUROMOLD**

INTERFACE D

**Medium Voltage
Separable Connectors
and bushings**

Catalogue 2025

 **Nexans**
ELECTRIFY THE FUTURE

NEXANS

POWER ACCESSORIES

An essential link in energy systems

The future will be electric. The present already is. As electrification gathers paces, network operators are undertaking large-scale projects to extend and modernize the grids. These projects require a wide range of power accessories. Nexans is a leading manufacturer and distributor in this field since more than 60 years, supplying a full range of power accessories to our global customers in about 100 countries.

We connect all types of cables, for Low High and Medium Voltage installations, and all types of conductors with any cross-section. We provide underground cable junctions, and connect cables to various types of equipment, including transformers and switchgear. Our products are used on both onshore and offshore

networks, on wind and solar farms, or in data centers for example.

Our range of products includes EUROMOLD® connectors, our cutting-edge EPDM technology, known for its exceptional performance and reliability. We also provide Cold- and Heat-Shrinkable joints and terminations, developed to be always easier to install and reliable. We pre-assemble ready to install jumpers. And our extensive range of GPH® ferrules and lugs, designed to meet the highest standards of quality and durability, are embodied in all our accessories kits or delivered separately.

Nexans is committed to delivering innovative solutions and top-notch products in the field of electrical connections and accessories.

Together, we have the power to electrify the future!

Laboratory accreditation

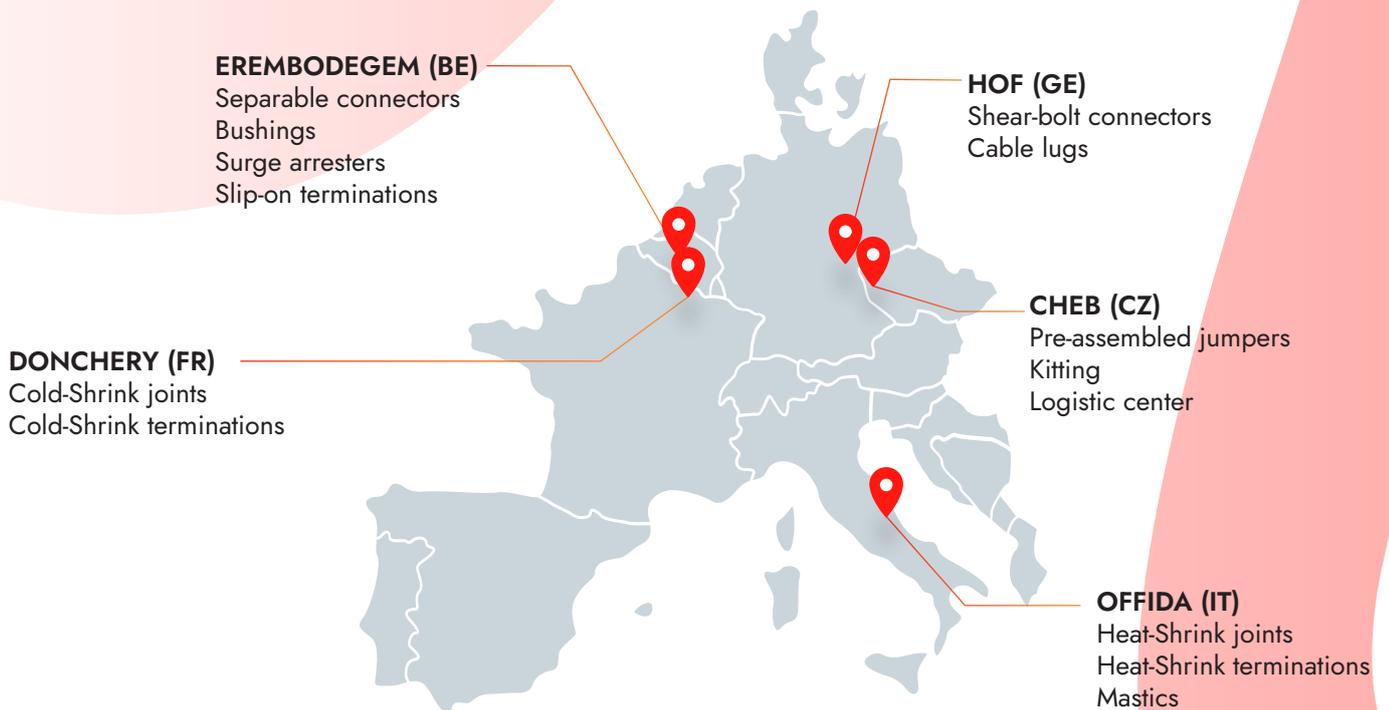
Since June 2000, Nexans independent ELAB laboratory obtained the BELAC accreditation no.144-TEST conform with the European standards for laboratories ISO 17025 for electrical testing of low and medium voltage cable accessories according to the international standards EN 50393, IEC 60502-4, IEC 61442 and HD 629.

ISO Certificate

Since 1992, Nexans commitment to quality and sustainable development is demonstrated by its ISO 9001 and ISO 14001 certifications.



At Nexans, we are proud of our manufacturing and kitting sites



MEDIUM VOLTAGE SEPARABLE CONNECTORS



- Produced in **Europe**
- 100% routine tested
- Only **high-quality material** is used
- Made **100% of EPDM** rubber
- All connectors are tested conform to the **CENELEC HD629.1 standard**. Test reports available upon demand
- Degree of protection **IP67**: dust tight & immersion in water

- A complete range (12 kV - 42 kV)
- For cross sections from **16 mm² to 1200 mm²**
- Temperature range from **-60 °C to +130 °C**
- A range of associated coupling connectors and surge arresters all with compact design
- Maintenance free after correct installation.



Made in Europe since 50 years

EUROMOLD separable connectors are made in Europe using only high-quality material such as EPDM rubber. Each product is tested according to CENELEC standards to ensure long-lasting quality.

+ Compact & flexible design

The compact design of separable connectors uses less raw material and limits sub packaging. It also facilitates installation in reduced space equipment configuration. The ability to combine connectors for most interfaces offers flexibility in the design of your installation.



+ Reliable

EUROMOLD connectors have a proven track record of high reliability and performance in medium & low high voltage applications. Each separable connector is made with high quality components in Europe and individually tested before leaving the plant, ensuring a reliable connection.

Easy to install & safe



Make your job easier with Nexans separable connectors. When de-energized, they can easily and safely be installed & removed without specific tools. The high quality EPDM rubber outer jacket ensures a long-lasting protection even in harsh environmental conditions.

All-in-one solution



EUROMOLD's separable connectors are versatile, fitting to a variety of projects with their diverse shapes designed to accommodate a wide range of cross sections. It reduces complexity and minimizes stock requirements, offering solutions for interfaces ranging from A to F.



COMPACT SEPARABLE CONNECTORS AND BUSHINGS

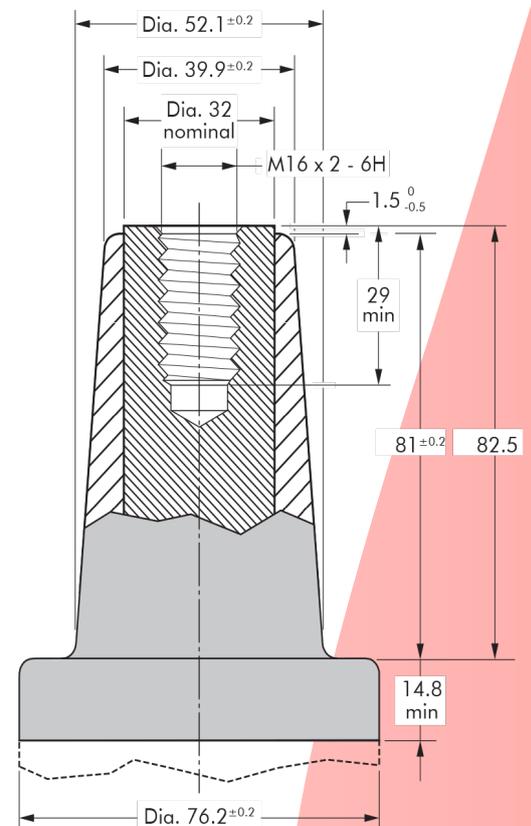
INTERFACE D

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INTERFACE D1 & D2

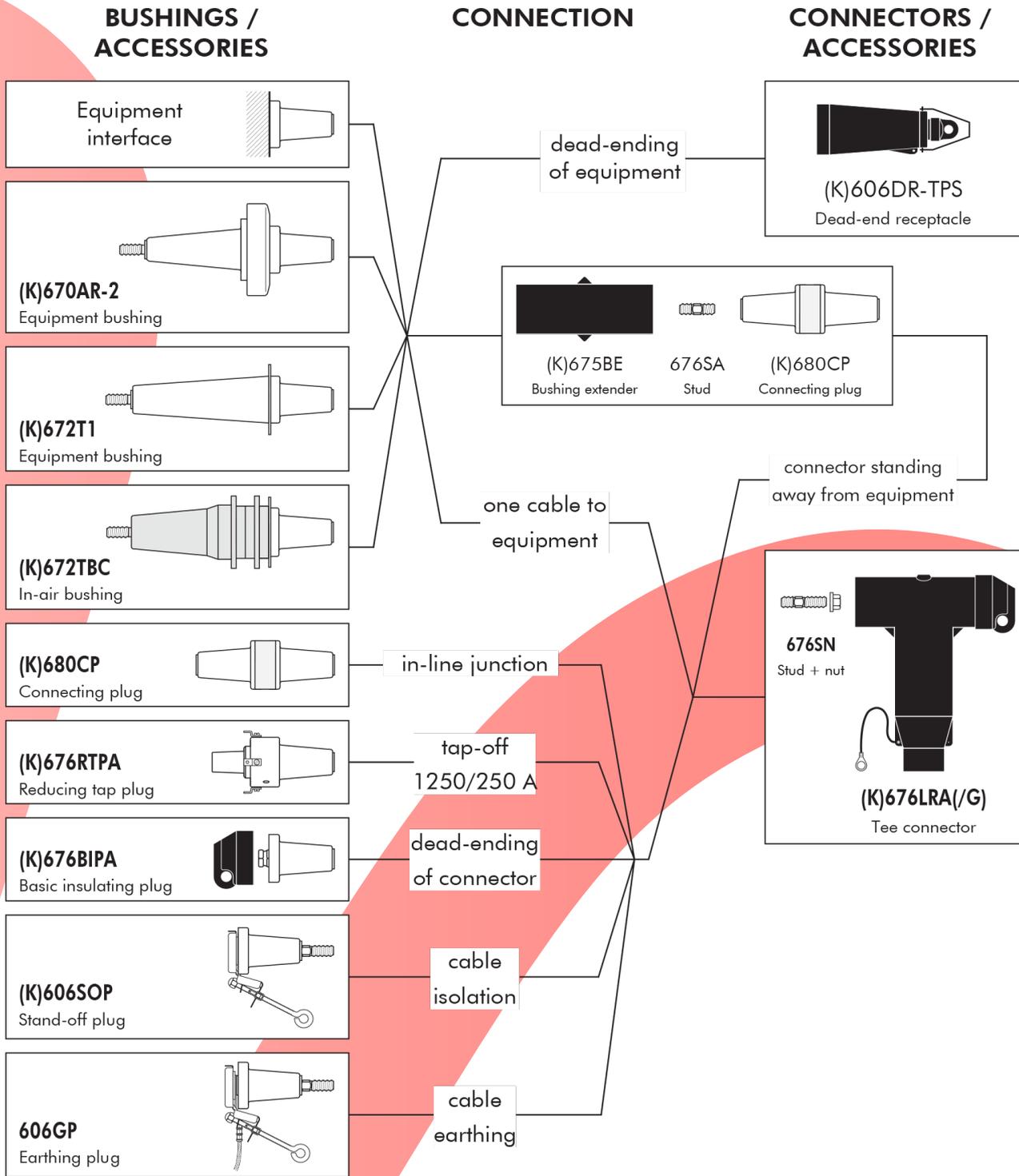
Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



In mm.

While every care is taken to ensure that the information contained in this publication is correct, no legal responsibility can be accepted for any inaccuracy. Nexans Network Solutions N.V. - Div. Euromold reserves the right to alter or modify the characteristics of its products described in this catalogue as standards and technology evolve.

CONNECTING POSSIBILITIES



676LRA

APPLICATION

Separable tee connector designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors...). Also connects cable to cable, using the appropriate mating part.

TECHNICAL CHARACTERISTICS

- A thick conductive EPDM jacket provides a total safe to touch screen.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

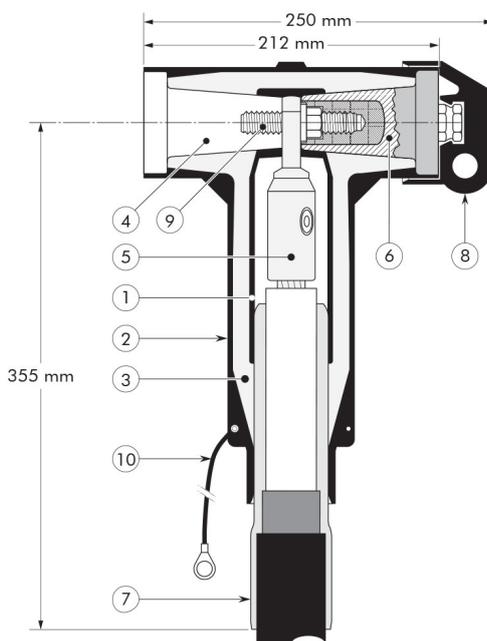
INTERFACE D TEE CONNECTOR



DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Type D - 1250 A interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Basic insulating plug (with VD point).
7. Cable reducer.
8. Conductive rubber cap.
9. Threaded stud.
10. Earthing lead.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 1250 A

EUROMOLD

The screen break design enables cable outer sheath testing without removing or dismantling the connector.

SPECIFICATIONS AND STANDARDS

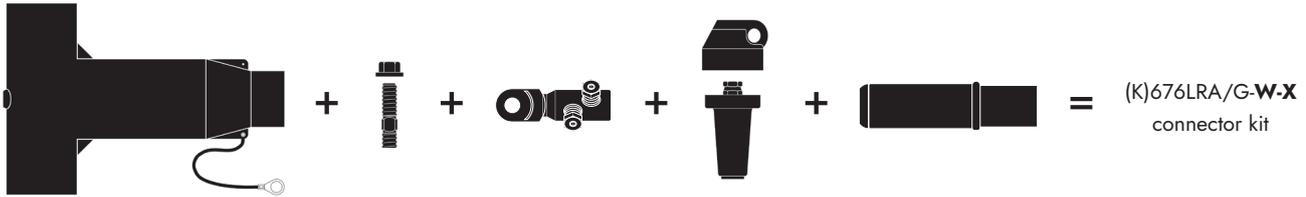
The 676LRA separable connector meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min.	max.
676LRA/G	12	1250	50	630
K676LRA/G	24	1250	35	630

KIT CONTENTS

The complete (K)676LRA tee connector kit comprises the following components:

The kit also comprises silicone grease, wipers, field control mastic and installation instructions.



Connector housing
(K)650BLR/G

Threaded
stud + nut
676SN

Conductor
contact
TMBC-X

Basic insulating
plug (K)676BIPA
+ rubber cap

Cable reducer
CA4-W

ORDERING INSTRUCTIONS

Select the part number which gives the best centring to the cable core insulation diameter and substitute **X** using table X, according to your conductor size and type.

Add a 'K' for use up to 24 kV.

EXAMPLE:

The copper wire screened cable is 24 kV, 630 mm² stranded aluminium with a diameter over core insulation of 44.0 mm.

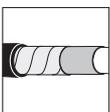
Order a K676LRA/G-37-400.630UN5 tee connector kit.

TABLE W

Ordering part number	Dia. over core insulation (mm)	
	min.	max.
676LRA/G-15-X	16.0	22.0
676LRA/G-19-X	20.0	26.5
676LRA/G-22-X	23.5	31.0
676LRA/G-27-X	28.5	37.5
676LRA/G-32-X	34.0	42.5
676LRA/G-37-X	39.0	48.5
676LRA/G-43-X	45.5	56.0

TABLE X

Conductor sizes (mm ²)	Aluminium and copper conductor	
	Bolted	
35	16.95UN5	95.300UN5
50		
70		
95		
120		
150	400.630UN5	
185		
240		
300		
400		
500		
630		



For use with
copper tape
screened cables.
Order: Kit MT.



For use with
other cable types.
Please contact our
representative.



For outdoor
applications.
Order: +MWS.



For use in potentially explo-
sive atmospheres
(for 12 kV max.).
Order: -/ATEX.



Components can be
ordered individually.

ACCESSORIES

APPLICATION

For use with connectors and bushings with an interface D as described by CENELEC EN 50180 and 50181.

TECHNICAL CHARACTERISTICS

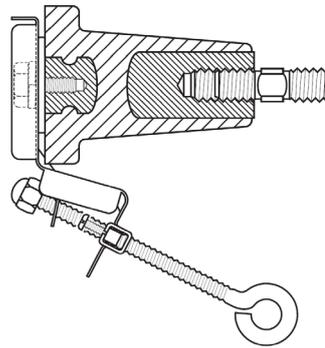
All these products, except the earthing plug, are tested for AC withstand and partial discharge prior to leaving the factory.

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV

606SOP STAND-OFF PLUG

Is designed to support and 'dead-end' connectors with a type D interface when removed from equipment.

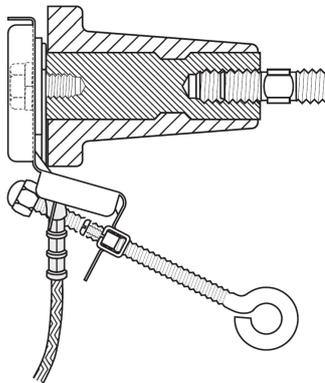


ORDERING INSTRUCTIONS

Order
606SOP for 12 kV or
K606SOP for 24 kV
applications.

606GP EARTHING PLUG

Is designed to support and earth connectors with a type D interface when removed from equipment.



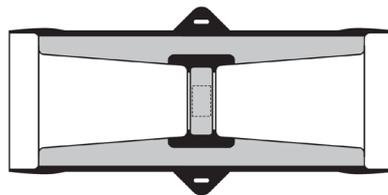
ORDERING INSTRUCTIONS

Order
606GP for 12 or 24 kV
applications.

675BE BUSHING EXTENDER

Provides an extension piece to allow cables to stand away from equipment.

Is used in conjunction with the 680CP connecting plug.

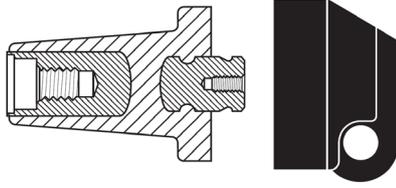


ORDERING INSTRUCTIONS

Order
675BE for 12 kV or
K675BE for 24 kV
applications.

676BIPA BASIC INSULATING PLUG

Acts as a tightening nut for the 676LRA/G tee connector kits. The plug contains a voltage detection point. The conductive rubber protection cap is included.

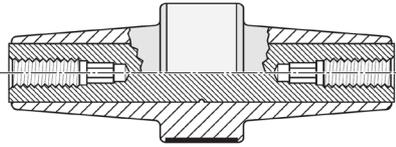


ORDERING INSTRUCTIONS

Order 676BIPA for 12 kV or K676BIPA for 24 kV applications.

680CP CONNECTING PLUG

For connecting two or more connectors with a type D interface together, thus creating a separable cable joint or a multiple cable connection to equipment.

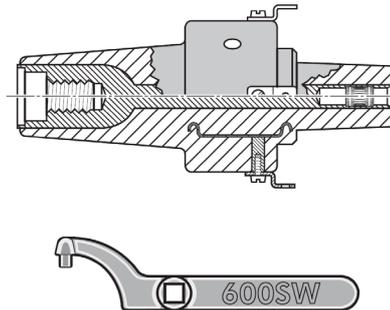


ORDERING INSTRUCTIONS

Order 680CP for 12 kV or K680CP for 24 kV applications. Order: -/ATEX for use in potentially explosive atmospheres (for 12 kV max.).

676RTPA REDUCING TAP PLUG

Provides a type A interface to connectors with a type D interface. A 'C' spanner, 600SW, is used to tighten the reducing tap plug onto its mating part.



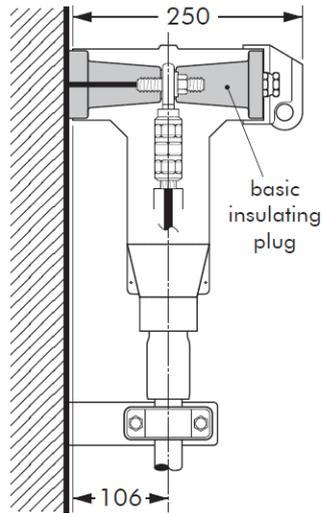
ORDERING INSTRUCTIONS

Order 676RTPA for 12 kV or K676RTPA for 24 kV applications. Order 600SW for the 'C' spanner.

POSSIBLE ARRANGEMENTS

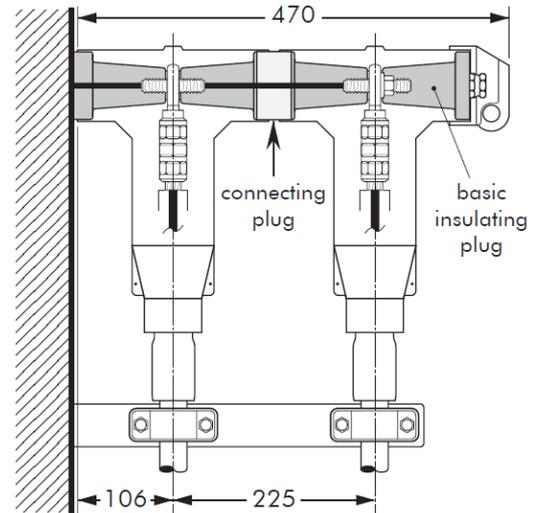
676LRA/G

Single cable arrangement.
Order 676LRA/G for 12 kV or
K676LRA/G for 24 kV
applications.



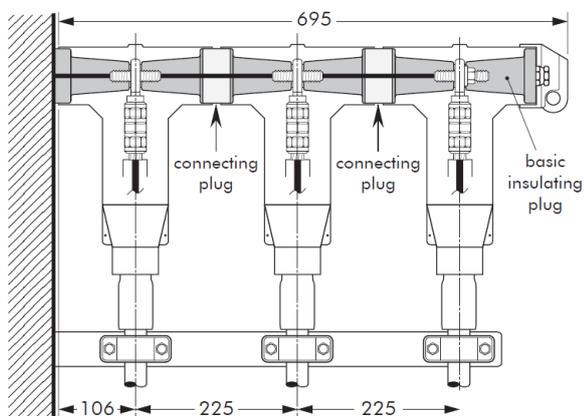
676LRA/G-P2

Dual cable arrangement.
Order 676LRA/G-P2 for 12 kV
or K676LRA/G-P2 for 24 kV
applications.



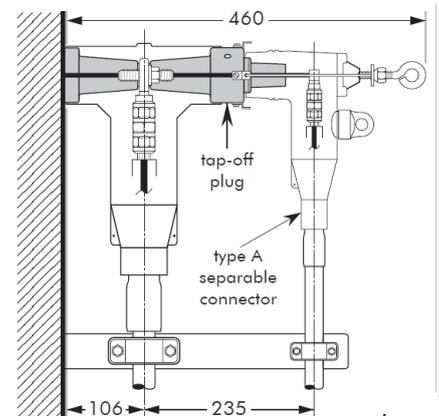
676LRA/G-P3

Triple cable arrangement.
Order 676LRA/G-P3 for 12 kV
or K676LRA/G-P3 for 24 kV
applications.



676LRA/G+200LR/G

Single cable arrangement with
tap-off.
Order 676LRA/G+200LR/G for
12 kV or K676LRA/G+200LR/G
for 24 kV applications.

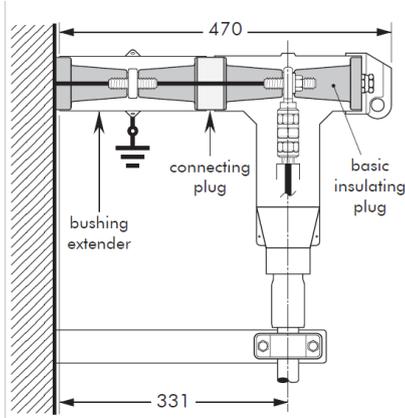


In mm.

675BE+676LRA/G

Connector standing away from equipment.

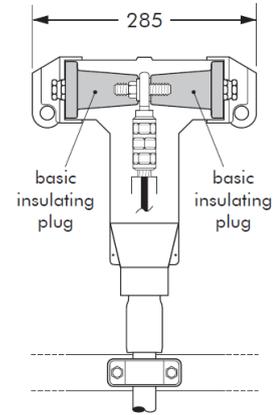
Order 675BE+676LRA/G for 12 kV or K675BE+676LRA/G for 24 kV applications.



676LRA/G-L1

Dead-ending.

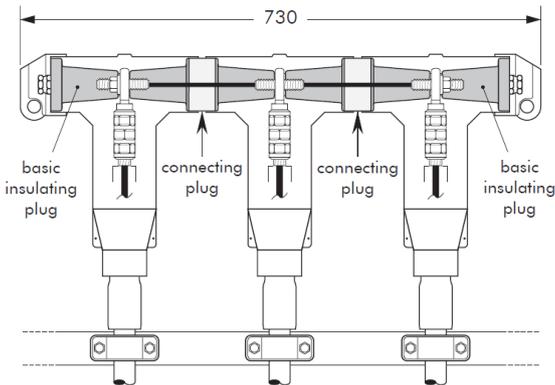
Order 676LRA/G-L1 for 12 kV or K676LRA/G-L1 for 24 kV applications.



676LRA/G-L3

3-way connection.

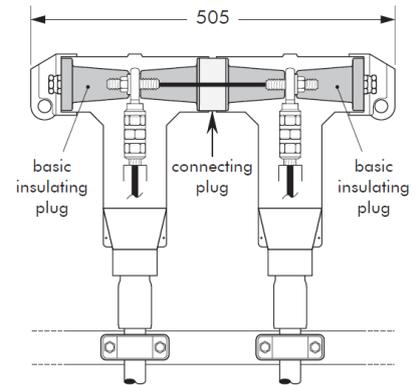
Order 676LRA/G-L3 for 12 kV or K676LRA/G-L3 for 24 kV applications.



676LRA/G-L2

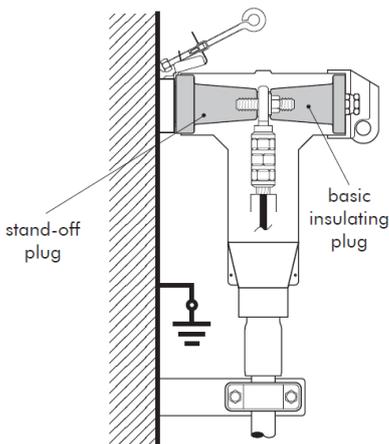
2-way connection.

Order 676LRA/G-L2 for 12 kV or K676LRA/G-L2 for 24 kV applications.



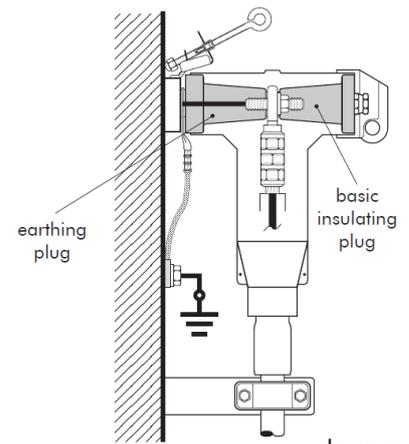
CONNECTOR ON STAND-OFF PLUG

Order 606SOP for 12 kV or K606SOP for 24 kV applications.



CONNECTOR ON EARTHING PLUG

Order 606GP for 12 kV and 24 kV applications.



In mm.

About Nexans

For over a century, Nexans has played a crucial role in the electrification of the planet and is committed to electrifying the future. With approximately 28,500 people in 41 countries, the Group is paving the way to a new world of safe, sustainable and decarbonized electricity that is accessible to everyone. In 2023, Nexans generated 6.5 billion euros in standard sales. The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: Power Generation & Transmission, Distribution, Usage and Industry & Solutions. Nexans was the first company in its industry to create a Foundation supporting sustainable initiatives, bringing access to energy to disadvantaged communities worldwide. The Group is recognized on the CDP Climate Change A List as a global leader on climate action and has committed to Net-Zero emissions by 2050 aligned with the Science Based Targets initiative (SBTi).

Nexans. Electrify the future.

Nexans is listed on Euronext Paris, compartment A.

For more information, please visit www.nexans.com

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