

### 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.

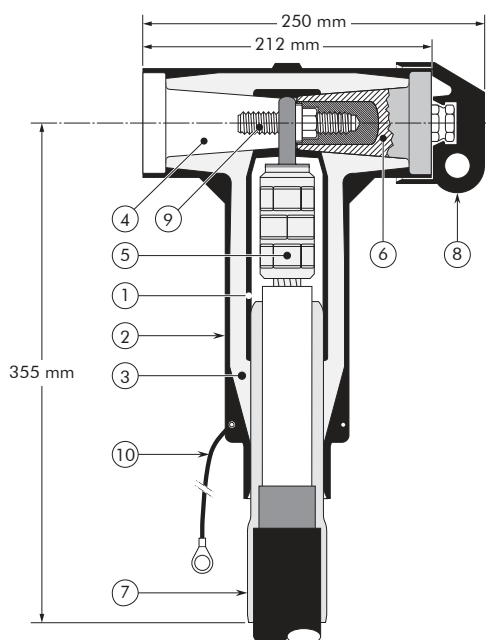
### TECHNICAL CHARACTERISTICS

- 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.

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

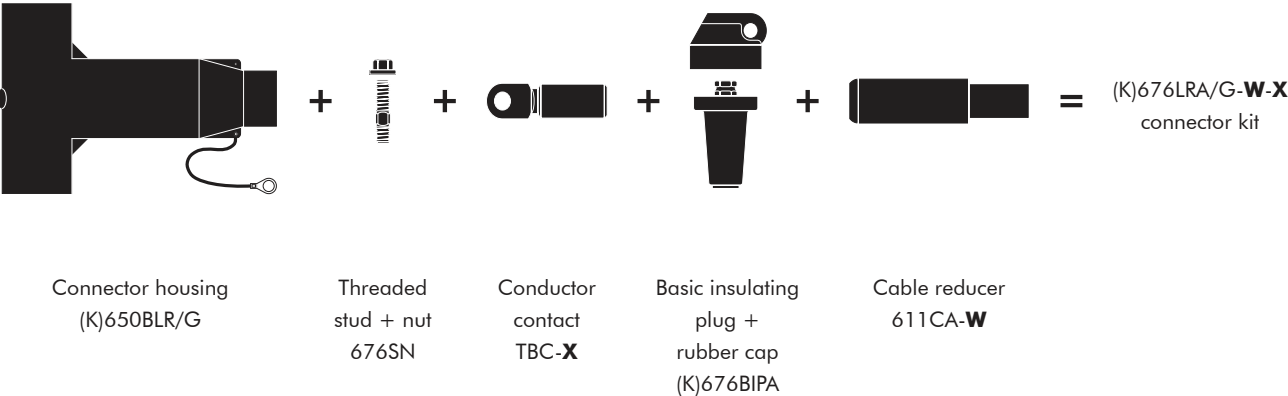
| Separable connector type | Voltage $U_m$ (kV) | Current $I_r$ (A) | Conductor sizes (mm <sup>2</sup> ) |      |
|--------------------------|--------------------|-------------------|------------------------------------|------|
|                          |                    |                   | min.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

05/2017

KIT CONTENTS

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

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



ORDERING INSTRUCTIONS

Select the part number which gives the best centring to the cable core insulation diameter. Add a 'K' for use up to 24 kV.

TABLE W

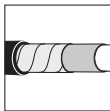
| Ordering part number | Dia. over core insulation (mm) |      |
|----------------------|--------------------------------|------|
|                      | min.                           | max. |
| 676LRA/G-15-X        | 16.0                           | 22.0 |
| 676LRA/G-19-X        | 20.0                           | 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

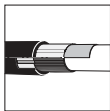
| Conductor sizes (mm <sup>2</sup> ) | Aluminium conductor |              | Copper conductor |
|------------------------------------|---------------------|--------------|------------------|
|                                    | DIN hexagonal       | Deep indent  | DIN hexagonal    |
| 35                                 | 35(K)M-12-2         | 35KM-12-1    | 35(K)M-11-2      |
| 50                                 | 50(K)M-12-2         | 50(K)M-12-1  | 50(K)M-11-2      |
| 70                                 | 70(K)M-12-2         | 70(K)M-12-1  | 70(K)M-11-2      |
| 95                                 | 95(K)M-12-2         | 95(K)M-12-1  | 95(K)M-11-2      |
| 120                                | 120(K)M-12-2        | 120(K)M-12-1 | 120(K)M-11-2     |
| 150                                | 150(K)M-12-2        | 150(K)M-12-1 | 150(K)M-11-2     |
| 185                                | 185(K)M-12-2        | 185(K)M-12-1 | 185(K)M-11-2     |
| 240                                | 240(K)M-12-2        | 240(K)M-12-1 | 240(K)M-11-2     |
| 300                                | 300(K)M-12-2        | 300(K)M-12-1 | 300(K)M-11-2     |
| 400                                | 400(K)M-12-2        | 400(K)M-12-1 | 400(K)M-11-2     |
| 500                                | 500(K)M-12-2        | 500(K)M-12-1 | 500(K)M-11-2     |
| 630                                | -                   | 630(K)M-12-1 | 630(K)M-11-2     |

EXAMPLE:

The copper wire screened cable is 24 kV, 630 mm<sup>2</sup> stranded aluminium with a diameter over core insulation of 44.0 mm. Order a K676LRA/G-37-630KM-12-1 tee connector kit.



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



For use with Alupe or C 33-226 cables. Please contact our representative.



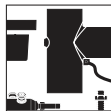
For use in potentially explosive atmospheres (for 12 kV max.). Order: -/ATEX.



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



For outdoor applications. Order: +MWS.



Components can be ordered individually.



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