

## 158LR INTERFACE A ELBOW CONNECTOR

Up to 24 kV - 250 A

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

### Application

Separable elbow connector designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors...).

Also connects cable to cable, using the appropriate mating part.

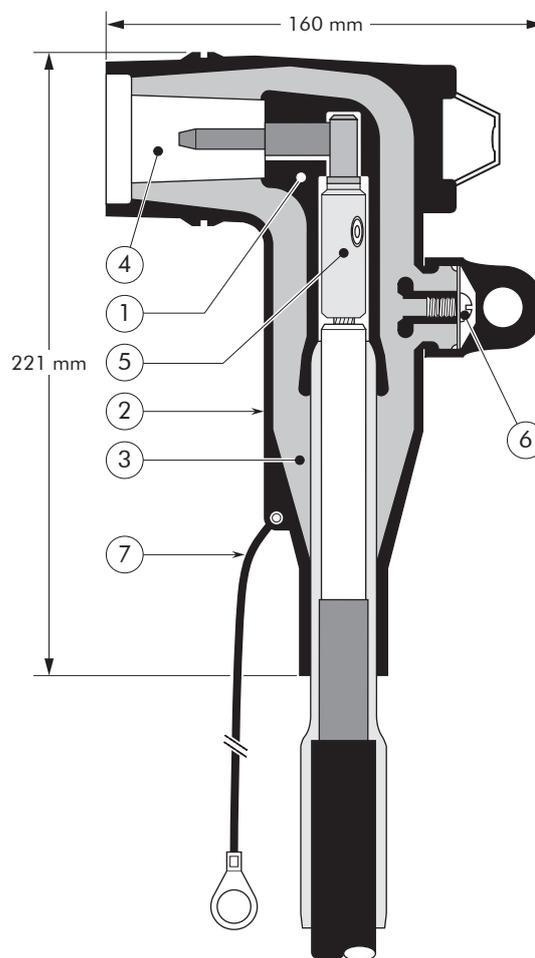
### Technical characteristics

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- 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 A - 250 A interface as described by CENELEC EN 50180 and 50181.
5. Conductor connector.
6. Voltage test point.
7. Earthing lead (-/G version only).



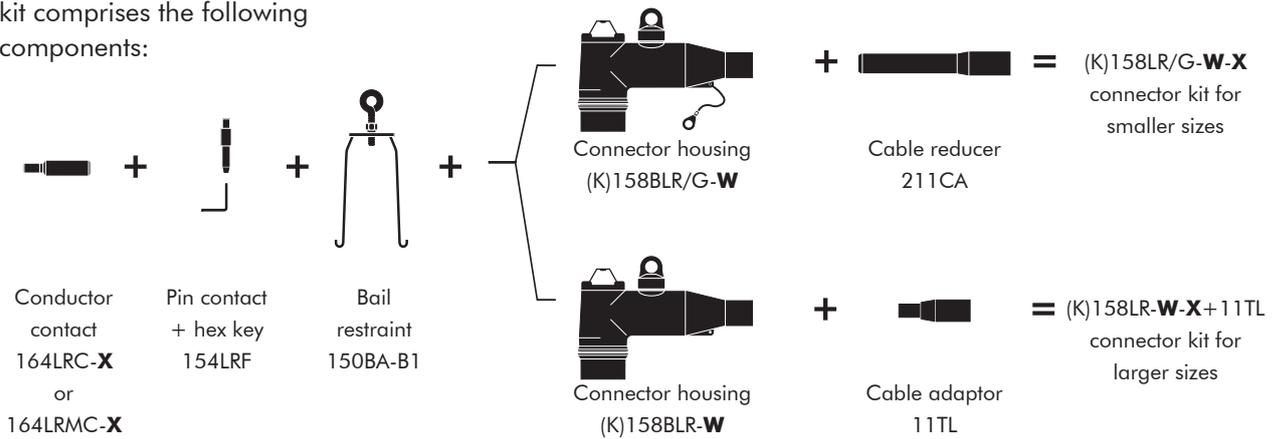
### Specifications and standards

The separable connector 158LR meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage Um (kV)	Current Ir (A)	Conductor sizes (mm <sup>2</sup> )	
			min	max
158LR/G	12	250	16	95
158LR	12	250	70	95
K158LR/G	24	250	16	70
K158LR	24	250	25	95

## Kit contents

The complete (K)158LR or (K)158LR/G elbow 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 and substitute **X** using table X, according to the conductor size and type.  
Add a 'K' for use up to 24 kV.

### Example:

The copper wire screened cable is 24 kV, 50 mm<sup>2</sup> stranded aluminium with a diameter over core insulation of 20.4 mm.  
Order a K158LR-FG-50(K)M-12-2+11TL elbow connector kit.

**For an option with a bolted conductor contact,** specify the ordering part number below.

**Table W**

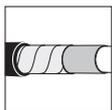
Ordering part number	Dia. over core insulation (mm)	
	min	max
158LR/G-11-X	12.6	16.1
158LR/G-13-X	14.6	18.7
158LR-FB-X+11TL	17.5	20.2
158LR-FG-X+11TL	18.4	21.2
158LR-GA-X+11TL	19.7	22.5
158LR-GAB-X+11TL	21.0	23.8
158LR-GH-X+11TL	23.6	26.4

**Table X**

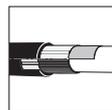
Conductor sizes (mm <sup>2</sup> )	Aluminium		Copper
	DIN hexagonal	Deep indent	DIN hexagonal
16	-	-	16(K)M-11-2
25	25(K)M-12-2	25KM-12-1	25(K)M-11-2
35	35(K)M-12-2	35KM-12-1	35(K)M-11-2
50	50(K)M-12-2	50(K)M-12-1*	50(K)M-11-2
70	70(K)M-12-2	70(K)M-12-1*	70(K)M-11-2
95	95(K)M-12-2*	95(K)M-12-1*	95(K)M-11-2

\* The 158LR-FB is not compatible with these conductor contacts.

Ordering part number	Dia. over core insulation (mm)	Conductor sizes (mm <sup>2</sup> )
158LR/G-13-25.95-14-5	14.6 - 22.7	35 - 70
158LR-GAS-50.95-14-5+11TL	19.7 - 25.4	25 - 95



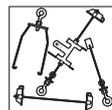
For use with copper tape screened cables.  
Order: Kit MT.



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



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



For adapted bail restraints: see 'Bail restraints and typical applications'.



For outdoor applications.  
Order: +MWS.



Components can be ordered individually.