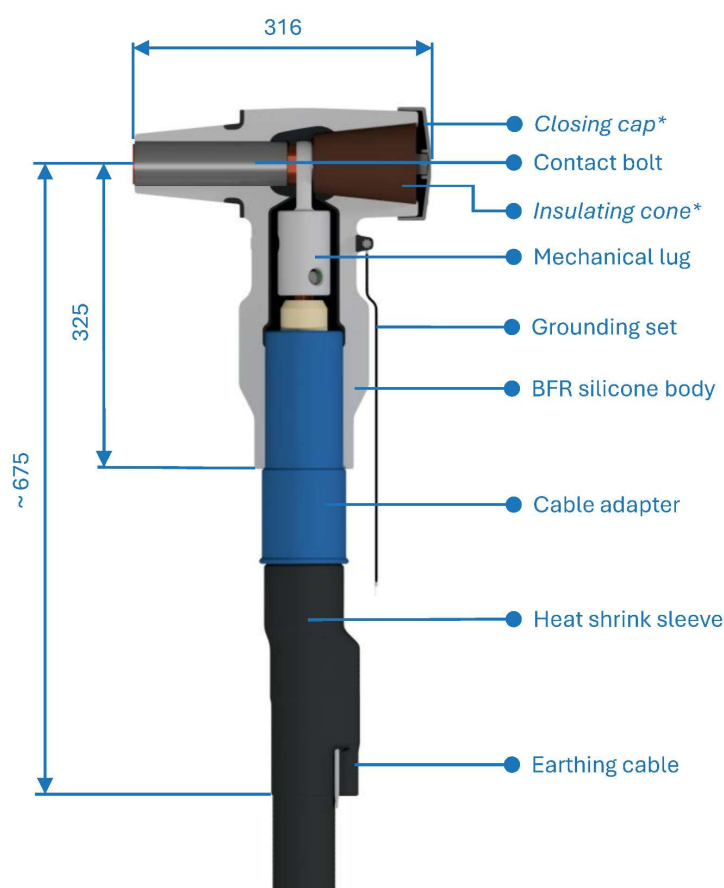
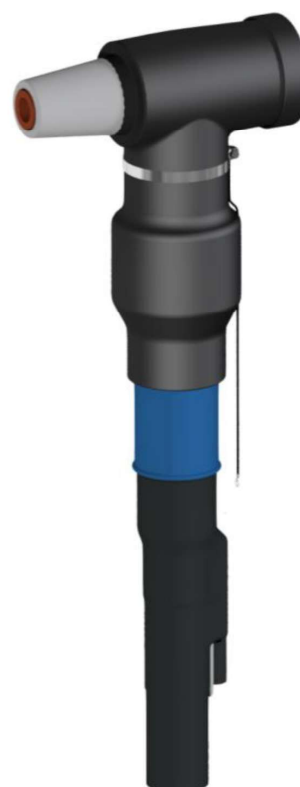


Separable Connectors

Blue Connect® BFR 72.5 kV



Dimension in mm



* Included in BFT scope of supply.



Highest Voltage (Um)

72.5 kV



Max. Cross Section

1200 mm²



Cable Insulation Ø

39-68 mm



Rated Current

1250 A



Weight

6 kg

Engineered for Reliability

Blue Connect® BFR is a fully screened 72.5 kV rear connector, combining type-tested performance, robust LSR insulation and a modular design for dependable offshore and onshore cable connections.



Modular Expansion

Rear-connector design enables flexible system extension and integration of additional components such as surge arresters.



Offshore Ready

Durable LSR insulation withstands humidity, salinity and vibration for reliable performance in demanding offshore and onshore environments.



Easy Installation

Separable plug-in design simplifies assembly and supports fast, reliable installation with only a few installation steps.

General product data		Field control design	
Manufacturer	Brugg Kabel AG	Field control method	Geometrical
Country	Switzerland	Type	Pre-moulded
Standard	IEC 60840/IEC 63026	Material	Silicone rubber
Rated Voltage (U)	45 - 69 kV	Production method	Injection moulding
Highest Voltage (Um)	72.5 kV	Production environment	Clean room
(U0) for determination of test voltage	36 kV		
Applicaton	Offshore and Onshore		
Cable compatibility		Construction & materials	
Type	XLPE/EPR	Designed for outer cone interface acc. to	EN 50673/EN 50180/EN 50181
Prepared insulation diameter	39-68 mm	Interface type	F
Max. cable cross section	1200 mm ²	Connector	Compression or bolted (max. 1200 mm ²)
Electrical type test levels		Installation conditions	
Partial discharge test (< 5 pc at 1.73 U0)	62,3 kV	Installation temperature	+5°C / +45°C
Heating cycle voltage test (2 U0)	72 kV	Personnel	Only by Brugg Cables certified installers
Lightning impulse voltage test (BIL)	325 kV	Site conditions	Clean and dry environment
Switching impulse voltage test (SIL)	n/a		
Voltage test	90 kV (2,5 U0 for 30 min)		
Electrical routine test levels		Packaging information	
Voltage test	90 kV (2,5 U0 for 15 min)	Scope of supply	Material for 3 separable connectors
Partial discharge test (< 5 pc at 1.5 U0)	62,3 kV	Earthing cable	Provided by customer
Each separable connector routine tested	yes	Packaging	Export wooden boxes (ISPM15)
Operation conditions data		Storage	
Rated current	1250 A	Storage environment	Clean and dry
Max. short circuit current conductor	Same as cable	Storage conditions	Refer to Q-01089-en
Min./Max. ambient temperature	-30°C / +60°C		

Brugg Kabel AG
 Industriestrasse 19
 CH-5200 Brugg
 Tel. +41 56 201 37 77
info@bruggcables.com

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