

**We, Südkabel GmbH, having our premises at Rhenaniastrasse 12 – 30, 68199 Mannheim, Germany confirm that outdoor terminations filled with liquid insulation type EHFVC 123 meet these technical parameters.**

<b>EHFVC 123</b>		
<ul style="list-style-type: none"> <li>• Primary component: composite insulator made of fibreglass-reinforced plastic support tubing with integrally cast sheds of high-grade silicone rubber</li> <li>• Field control by means of a push-on stress cone made of silicone rubber that also seals the base of the termination</li> <li>• Filled with a synthetic insulating liquid (polyisobutylene)</li> </ul>		
<b>General data</b>		
Highest voltage $U_m$	123	kV
Maximum altitude of installation	1000	m
Power frequency	50	Hz
Ambient temperature	-40 ... +40	°C
Installation temperature	0 ... +40	°C
Highest permissible conductor temperature of the cable, continuous operation	+90	°C 
Highest permissible conductor temperature of the cable, short circuit (duration max 5 s)	+250	°C 
<b>Electrical data</b>		
Normative document	IEC 60840 IEC 60815	
Impulse lightning voltage	550	kV
Rated peak current*	170	kA
Rated short - time withstand current*	50/3	kA/s
	63/1	kA/s
Standard pollution class	≥ d/III heavy	
Creepage distance	3160	mm 
<b>Mechanical data</b>		
Length	1710	mm
Max deviation from vertical position	30	°
Max diameter over cable core	104	mm
Max diameter over stripped core	100	mm
Weight	90	kg
<b>Electrical routine test levels (IEC 60840)</b>		
Voltage test 30 min.	160	kV 
Partial discharge measurement at 1,5 $U_0$	96	kV
	< 5	pc 
*Depending on cable conductor cross-section		

