CABLES / KÁBLE

7. HEAT SHRINKABLE TUBING PRODUCTS



Heat shrinkable low voltage breakouts



HCZ 5

Application

Heat shrinkable low voltage breakouts type HCZ5 provide strong and permanent seal to the crutch of 5-core AYKY, or CYKY cables up to 0,6/1 kV.

Marking

HCZ5 - 4/25	a breakout for XLPE, PVC cables from 5x4 mm^2to 5x25 mm^2
HCZ5 - 25/50	a breakout for XLPE, PVC cables from 5x25 mm^2to 5x50 mm^2
HCZ5 - 70/150	a breakout for XLPE, PVC cables from 5x70 $\rm mm^2$ to 5x150 $\rm mm^2$
HCZ5 - 185/240	a breakout for XLPE, PVC cables from 5x185 $\rm mm^2$ to 5x240 $\rm mm^2$

Specifications

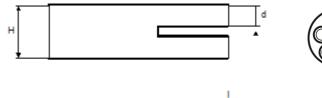
Breakouts are manufactured from high quality cross linked polyolefin material that offer an exceptional insulation and long-term service reliability. They are internally coated with hot melt adhesive and when installed provide 100% protection from ingress of water, moisture and air.

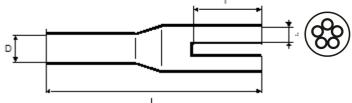
Material properties are listed in the Tab. 1 and dimensions of breakouts as supplied and after free recovery are displayed in the Tab. 2 and Fig. 1 and 2.

Fig. 1 Expanded as supplied

Fig. 2 After free recovery

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Ta	Tab. 1 Material features (cross-linked PE)							
	Tensile strength	[MPa]	min. 13					
	Elongation at break	[%]	min. 350					
	Shrink temperature	[°C]	150 - 200					
	Operating temperature - long-term - short-term	['C]	100 150					
	Volume resistivity	[Ω.m]	10 ¹³					
	Dielectric strength	[kV/mm]	12					

HCZ 5

Tab. 2 Dimensions of breakouts according to Fig. 1 and 2

w. Z Dimensions of breakours according to fig. I and Z										
Breakout	Breakout Expanded as supplied			After free recovery						
	H [mm]	D [mm]	d [mm]	d ₁ [mm]	L ± 10% [mm]	l ± 10% [mm]				
HCZ5 - 4/25	32	8	9	3	110	28				
HCZ5 - 25/50	57	17	15	4	110	33				
HCZ5 - 70/150	80	32	26	8	190	65				
HCZ5 -185/240	100	33	32	8	190	65				

Installation principles

Clean cable surface and roughen it with abrasive paper at its ends gently. Then pre-heat shortly by sharp flame in order not to damage insulation and put on a breakout. A soft flame torch or hot air gun may be used to shrink the breakout, whereas processing from crutch to edge parts. On application of heat the adhesive melts and the part shrinks forming a perfect seal.

Heat shrinkable low voltage breakouts type HCZ5 are supplied in cardboard boxes (more pieces).



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7. Heat shrinkable tubing products