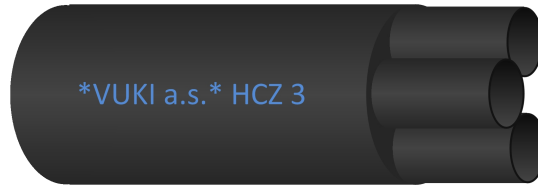




Heat shrinkable low voltage breakouts



Application

Heat shrinkable low voltage breakouts type HCZ3 provide strong and permanent seal to the crutch of 3-core AYKY, or CYKY cables up to 0,6/1 kV.

Marking

HCZ3 - 2,5/35	a breakout for XLPE, PVC cables from 3x2,5 mm ² to 3x35 mm ²
HCZ3 - 35/150	a breakout for XLPE, PVC cables from 3x35 mm ² to 3x150 mm ²
HCZ3 - 185/240	a breakout for XLPE, PVC cables from 3x185 mm ² to 3x240 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

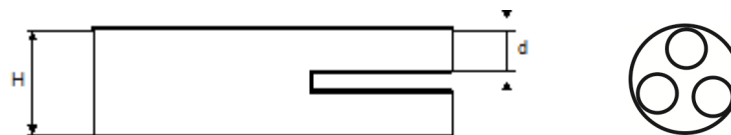
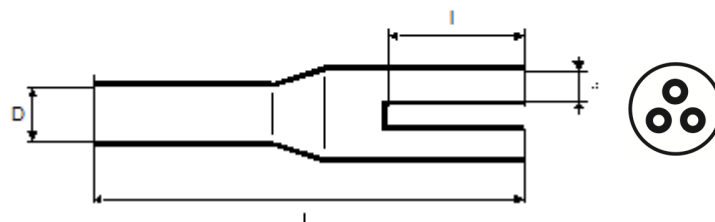


Fig. 2 After free recovery




Tab. 1 Material properties (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

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

Breakout	Expanded as supplied		After free recovery			
	H [mm]	D [mm]	d [mm]	d ₁ [mm]	L ± 10% [mm]	l ± 10% [mm]
HCZ3 - 2,5/35	32	9	12	3	90	20
HCZ3 - 35/150	70	20	25	8	188	62
HCZ3 - 185/240	90	30	36	13	215	75

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 HCZ3 are supplied in cardboard boxes (more pieces).