

# HCRK

Cast Resin Cable

Accessory



## HCRK

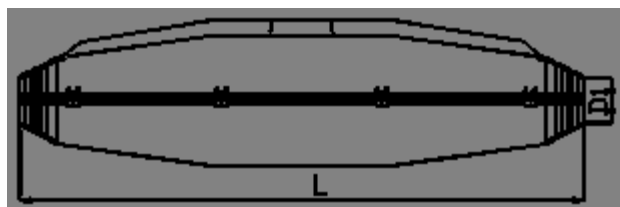
Straight through low voltage cast resin joint

### Application:

PUR cast resin technology was especially developed to seal and protect power, signal and telephone cables. This new generation of two component cast resin has been developed for the most demanding environments and circumstances. Our cast resin joints have been tested according to EN50393 standard, assuring only the highest quality. Quick setting properties in humid or even cold conditions make it a fast and reliable solution.

### Dimensions:

Type	Cable Size mm <sup>2</sup>	L(mm)	H(mm)	D1(mm)	D2(mm)
HCRK-S1	4 x 1.5 - 10	202	36	8	26
HCRK-S2	4 x 10 - 25	260	47	16	32
HCRK-S3	4 x 35 - 50	360	55	21	38
HCRK-S4	4 x 50 - 70	400	70	26	41
HCRK-S5	4 x 95 - 150	530	100	35	56
HCRK-S6	4 x 185 - 300	700	125	47	74



w\* (dimensions full free recovery)

## Technical properties:

Technical Data	Value	According to DIN VDE 0291
Pot life @		
5°C	35 min	
23°C	20 min	product conforms ±30%
35°C	15 min	
Reactant	>200°C	>55
Open cup flash point		
Tensile strength	≥8.0 Mpa	≥5.0
Hot aging	-5 Shore A	-7
Adhesive	>1500 CP. S	< 1500
Tear elongation	≥100%	≥50
Gel time for 300 ml @	23°C	
Pouch >1000ml	26 min	product conforms ±10%
Pouch <1000ml	17 min	product conforms ±10%
Max. reaction temp	60° C/333K	product conforms ±10%
Total vol. variable when hardening	6%	max. 6.5%
Cast resin component		
Open cup flash point	>200°C	>100
Density	1.07g/cm <sup>3</sup>	-
Impact strength	> 10kJ/m <sup>2</sup>	> 10kJ/m <sup>2</sup>
Hardness	75 Shore A	min. 20 Shore D
Expansion coefficient in temp		
range of 20-50° C	5,9 x 10 <sup>-4</sup> K <sup>-1</sup>	product conforms ±15%
Thermal conductivity	0.2W x m <sup>-1</sup> x K <sup>-1</sup>	product conforms ±20%
Flammability	Class II c	acc to DIN VDE 0304, part 3
Water absorption 42 days@50°C	360mg	max. 400 mg
Electrolytic corrosion	A 1	-
Voltage test@		no breakdown @ test voltage
23°C	>20kV	20kV
80°C	>10kV	20kV
Dielectric dissipation factor		
@ 23°C and 50Hz	0.08	max. 0.1
@ 23°C and 1kHz	0.05	-
Relative permittivity		
23°C @ 50Hz	5	< 6
23°C @ 1kHz	5.1	-
Tracking resistance	KA 3c	min. KA 3c
Physical values after 28 days of immersion in 90°C water		
Tensile strength	8.2N/mm <sup>2</sup>	≥ 65% of initial value
Elongation at break	60%	≥ 65% of initial value
Hardness	47 Shore	≥ 80% of initial value

## Kit contents:

- 2 part mould
- Connector spacer
- 2 component PUR resin supplied in 5 layer laminated AL bag, with dividing rod.
- PVC tape
- Shelf life 48 months\*  
\*(when stored between 15° C and 35° C)
- Abrasive strip
- PE gloves
- Easy to follow installation instructions
- Funnel (optional)