

# Nissad

## CAST RESIN CABLE JOINTS



VDE 0278-393  DIN EN 50393



## Nissad Cast Resin Cable Joints NDC-S and T Series

### Features and benefits

Universally suitable to connect low voltage plastic insulated cables or conductors insulated with PVC, PE, VPE and EPR (e.g. N(A)YY, NYM, T T) with or without concentric conductor. Suitable for aluminium and copper conductors.

### Characteristics

- Compact dimensions
- Splice site visible before casting
- High-quality transparent shockproof plastic moulds
- Ready for immediate operation
- Quick and easy assembly saves time and reduces costs
- Large filler aperture to facilitate casting
- Resistant to chemical agents
- Resistant to alkaline earth elements
- UV-resistant
- Longitudinally and transversely watertight
- High electrical insulating values
- High mechanical strength

### Application

- Indoor
- Outdoor
- Underground
- Water
- Installation ducts

### Voltage level

- $U_o/U_m$  (U<sub>m</sub>) 0.6/1 (1.2) KV

### Scope of delivery

- PUR cast-resin type PU25, containing the correct volume ready for mixing and packed in practical and easy-to-use two chamber bags
- Transparent plastic moulds
- Spacers (straight joints only)
- PVC insulation tape
- Abrasive paper
- Protective gloves
- Installation instructions

### Straight - Through Cable Joints

Type	Cable Size mm <sup>2</sup>	Cable Dia. (D1/D2) mm	Length (L) mm
NDC-S00	4 x 4	6 - 18	190
NDC-S11	4 x 10	8 - 26	202
NDC-S12	4 x 25	16 - 32	260
NDC-S13	4 x 50	21 - 38	360
NDC-S14	4 x 95	26 - 41	400
NDC-S15	4 x 150	35 - 56	530
NDC-S16	4 x 300	47 - 74	700

### T-Type Cable Joints

Type	Main Cable mm <sup>2</sup>	Branch Cable mm <sup>2</sup>	Max. Cable Dia. mm
NDC-T1	4 x 1.5-6	4 x 1.5-6	22
NDC-T2	4 x 6-16	4 x 6-10	30
NDC-T3	4 x 16-50	4 x 10-25	42



### PU25 Cast resin

PU25 black cast resin is a high quality and fast setting resin for tough ambient conditions. It is ideal for power cable accessories as insulation or as protective layer for MV joints.

Technical Data	Value	According to DIN VDE 0291
Pot life @ 5°C	35 min	product conforms ±30%
23° C	20 min	
35° C	15 min	
Reactant		
Open cup flash point	>200 °C	>55
Tensile strength	≥8.0 Mpa	≥5.0
Adhesive	>1500 CP.S	<1500
Tear elongation	≥100%	≥50
Gel time for 30ml @ 23°C	23°C	
Pouch >1000ml	26min	product conforms ±10%
Pouch >1000ml	17min	product conforms ±10%
Max reaction temp.	60°C/333K	product conforms ±10%
Total vol. loss at hardening	6%	max. 6.5%
Cast resin component	>200°C	>100
Open cup flash point		
Density	1.07g/cm <sup>3</sup>	-
Impact strength	>10kJ/m <sup>2</sup>	>10kJ/m <sup>2</sup>
Hot aging	-5 Shore A	-7
Hardness	75 Shore A	min. 20 Shore D

### Tests

- DIN VDE 0278 part 393
- DIN EN 50393
- CENELEC HD 623

### Storage conditions/Shelf life

- Cast resin up to 48 months

