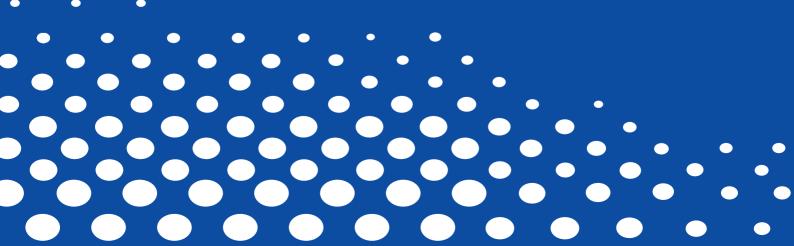
Nissad CAST RESIN CABLE JOINTS





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, TT) 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 (U_m) 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

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		
23° C	20 min	product conforms ±30%	
35° C	15 min	<u> </u>	
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		
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	>200 C		
Density	1.07g/cm ³	-	
Impact strength	>10kL/m²	>10kJ/m²	
Hot aging	-5 Shore A	-7	
Hardness	75 Shore A	min. 20 Shore D	

Tests

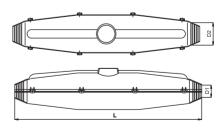
- DIN VDE 0278 part 393
- DIN EN 50393
- CENELEC HD 623

Storage conditions/Shelf life

• Cast resin up to 48 months

Straight - Through Cable Joints

Туре	Cable Size mm²	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

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Туре	Main Cable mm²	Branch Cable mm²	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		

