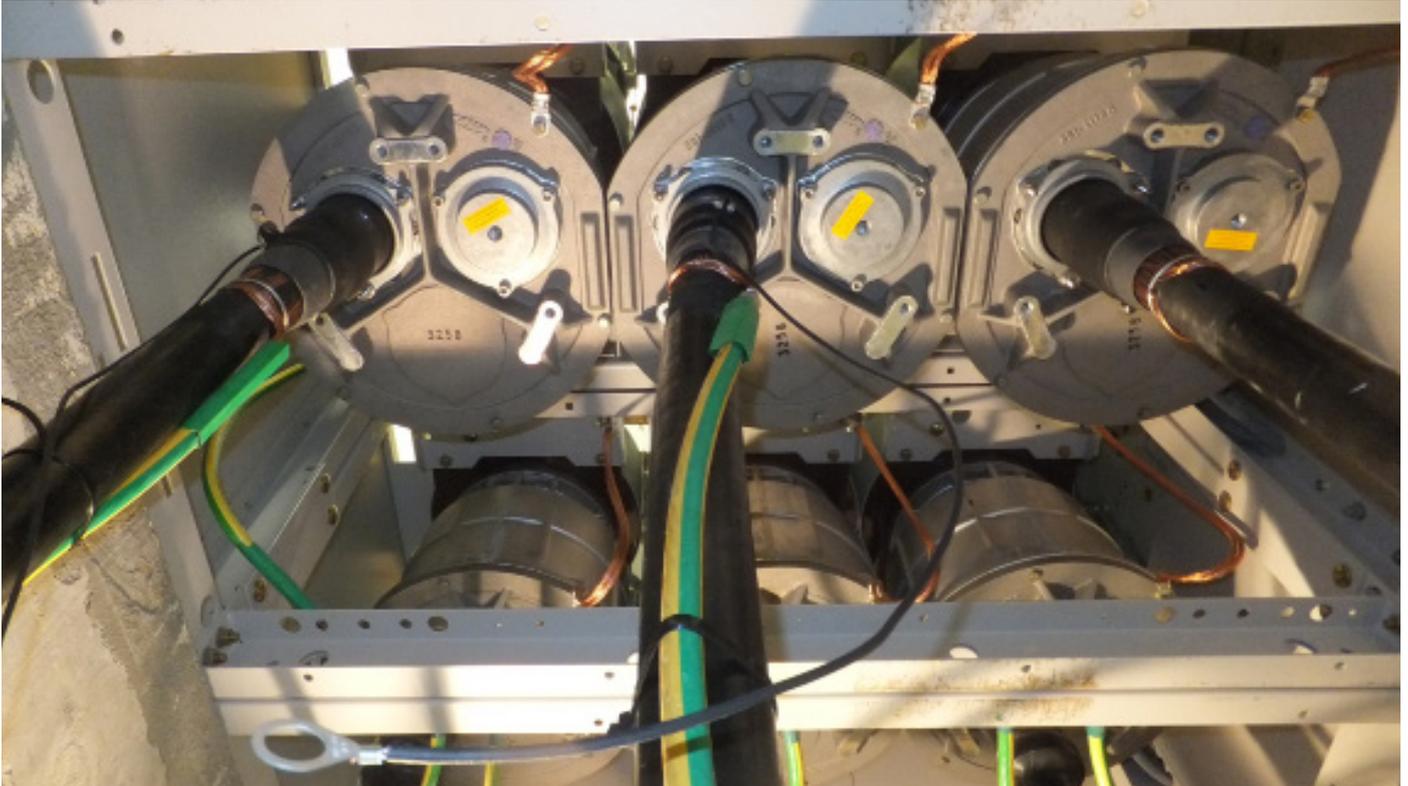


## NKT CPI Inner Cone Connectors

Easy to install, range-taking MV switchgear connections for EN 50180/50181 Sizes 2 and 3



**NKT manufactures a wide range of cables and cable accessories and is the leading supplier of medium voltage screened connectors across much of Australasia.**

NKT was the first to manufacture silicone rubber cable terminations and now has 50 years' experience, in applications up to 400 kV.

CPI is a screened inner cone cable connector made of silicone rubber for connecting to medium voltage switchgear, RMUs and transformers fitted with bushings Size 2 or 3 according to EN 50180/50181.

The silicone rubber grade used in the CPI is durable, UV and ozone resistant, waterproof, non-flammable, self-extinguishing and heat resistant. Together with its excellent mechanical and electrical properties, this makes silicone rubber a preferred material for 11-33 kV inner cone connectors.

In addition to offering high quality electrical insulation and superior corona and tracking resistance, the elasticity of silicone rubber facilitates a wide application range for each CPI. So one product can be used for many different conductor cross-sections.

This connection type delivers a compact and reliable in-line interface with XLPE and EPR cables.

Installation is straightforward and fast thanks to the design of the CPI. The unique shear-bolt connector simplifies assembly and provides assurance of correct fit; the multi-range stress cone allows realistic cable preparation tolerances; the unique connector casing eliminates the requirement for special tools.

The outer screen is a fully bonded conductive layer. The cable screen can be tested without disassembly. Operation is maintenance free.

## NKT inner cone connectors for Size 2 and Size 3 interfaces

Product Code	Interface type	Continuous nominal current, A	Application range								Dimensions	
						Cross Section <sup>1</sup> , mm <sup>2</sup>		Insulation diameter, mm		Approx length <sup>2</sup> mm		
			11kV	22kV	33kV	Min	Max	Min	Max			
NKT2647151	2	800	✓			35	70	12.7	19.2	190		
NKT2647152			✓	✓	✓	95	120	17.0	24.3			
NKT2647153			✓	-	-	120	185	17.0	24.3			
NKT2647154			-	✓	✓	50	120	21.2	33.6			
NKT2647155			✓	✓	✓	120	185	21.2	33.6			
NKT2647156			✓	✓	-	240	300	21.2	33.6			
NKT2647157			-	-	✓	150	185	28.9	40.0 <sup>3</sup>			
NKT2647158			-	✓	✓	240	300	28.9	40.0 <sup>3</sup>			
NKT2647251HNZ	3	1250	-	✓	✓	95	120	21.2	33.6	195		
NKT2647252HNZ			✓	✓	✓	120	185	21.2	33.6			
NKT2647253HNZ			✓	✓	-	240	300	21.2	33.6			
NKT2647254HNZ			-	-	✓	150	185	28.9	37.8			
NKT2647255HNZ			-	✓	✓	240	300	28.9	37.8			
NKT2647256HNZ			✓	-	-	400	500	28.9	37.8			
NKT2647257HNZ			-	-	✓	300		34.0	45.6	300		
NKT2647258HNZ			✓	✓	✓	400	630	34.0	45.6			
NKT2647259HNZ			-	-	✓	630		39.1	51.0			
NKT2647260HNZ			✓	✓	✓	800 <sup>4</sup>		39.1	51.0			
NKT2643798			✓	✓	-	800		45.5	57.8			
NKT2643799			-	✓	✓	800 <sup>5</sup>		45.5	57.8			

### Notes

1. For round stranded conductors, designation RM
2. From mounting face to end of stress cone
3. Three core cables 44.0 mm
4. Fits 800 mm<sup>2</sup> round solid, designation RE
5. Max conductor diameter 36 mm (fits 1000 mm<sup>2</sup> round solid, designation RE)