NaLA

NaLA tape wound cores to reduce motor-bearing currents

Magnetec

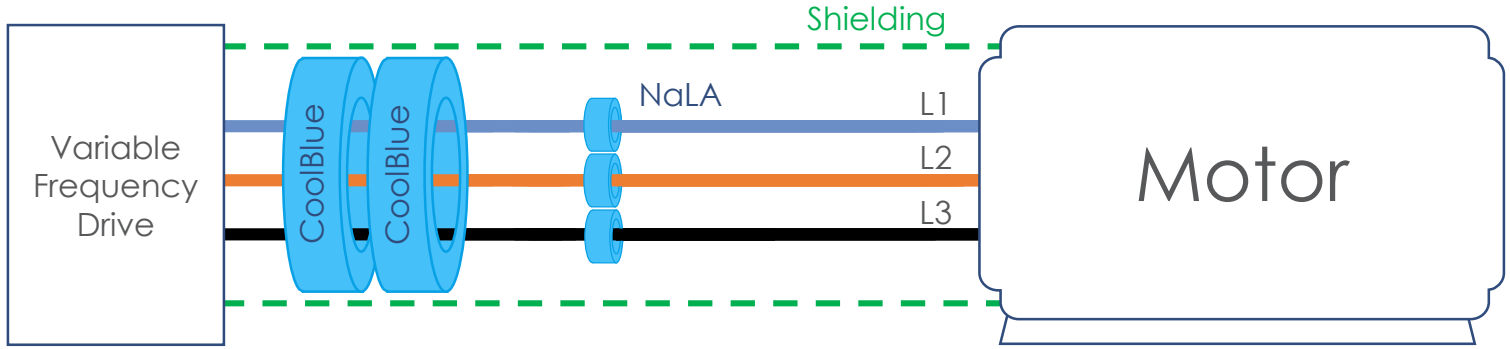
This method significantly increases the service life of the motor bearings …

…and thus reduces maintenance costs and standstill periods.

Efficient and effective usage, only in combination with CoolBlue

Easy to install and to retrofit

Works against asymmetrical and symmetrical noise



Magnetec developed special cores with own developed CoolBLUE annealing with the special purpose to absorb the high frequency noise – we call our CoolBLUE cores inductive absorber as the noise is transferred to thermal energy instead of unwanted discharges at the motor bearings.
The combination of Magnetec CoolBlue cores with NaLA cores is a very effective way to have an advanced reduction of the noise in inverter-motor systems. The CoolBlue cores are put over all the 3 phases whereas one NaLA core needs to be put over each phase acc. to the picture above. The optimal place for the cores is very close to the noise-source namely the inverter.

NaLA Selection Guide

	Kilowatt	≤0,7	≤7,5	≤30	≤75	≤315	≤1.200	> 1.200
	Part No round	M-606	M-853	M-102	M-981	M-613	M-614	M-616
Cable	50m	2	1	1	1	1	1	1
length	100m	4	2	2	2	2	2	2
up	200m	6	3	3	3	3	3	3
to	300m	8	4	4	4	4	4	4

Only for information, no guaranteed values . For all information no liability assumed. *Isat: "Quasi Saturation Current" @ B = 1,0 T / μ_{nom} / N = 1
Saturation Current Isat of NANOPERM®: Peak value of the exiting current when the initial inductance level is dropped to 10 per cent, see www.magnetec.de

Magnetec GmbH
0049 6184 9202 0
www.magnetec.de
info@magnetec.de