

CoolBLUE® and NaLA®

A MORE Powerful Solution

Common Mode Choke Application Guide for Motor Bearing and Stray Ground Currents

VFD Application Guide - CoolBLUE® cores per horsepower/cable length

m-049
m-049
m-283
m-302
m-117
m-302

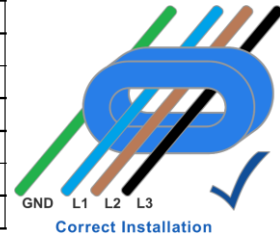
CoolBLUE® Part Number	Power Range Per Drive Rated Horsepower	Number of Cores Per Cable Length*			
		1-150ft	151-300ft	301-450ft	451-900ft**
CBO43HP1/4-50A4	1/4 to 10	2	4	6	8
CBO43HP1/4-50A4	11 to 50	4	4	6	8
CBO68HP51-100A06	51-100	4	4	6	8
CBO155HP101-428A12	101-428	4	4	6	8
CBR166HP429-1631A16	429-1631	4	4	6	8
CBO326HP1632+A23	1632 and over	4	4	6	8



VFD Application Guide - NaLA® cores per horsepower/cable length

m-049
m-102
m-381
m-613
m-614
m-616

NaLA® Part Number	Power Range Per Drive Rated Horsepower	Number of Cores Per Cable Length*			
		1-150ft	151-300ft	301-450ft	451-900ft**
N18HP1/4-10	1/4 to 10	2	3	4	5
N18HP11-40	11 to 40	1	2	3	4
N29HP41-102	41-100	1	2	3	4
N57HP103-428	103-428	1	2	3	4
N75HP429-1631	429-1631	1	2	3	4
N123HP1632+	1632 and over	1	2	3	4



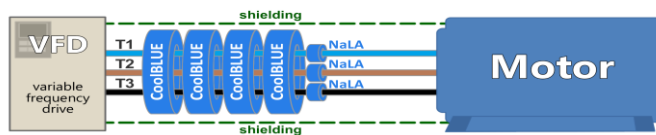
Notes:

- 1 - Data above is for information/guideline purposes.
- 2 - All cables/phases must travel through the CoolBLUE® cores. NaLA® cores are installed around each individual power cable, regardless of how many cables. Per application guide, NaLA® cores are per cable. No ground or shielding through cores!
- 3 - On motors up to 10hp, two turns are needed through the CoolBLUE® cores (pass cable through cores twice).
- 4 - It is important to use the correct number and type of cores.
- 5 - For servo and DC motors, please call CoolBLUE® Engineering.
- 6 - Install cores on load side of drive for typical motor applications. Cores may be installed on line side of VFD as well to reduce conductive and radiated emissions back to the power grid.
- 7 - CoolBLUE® offers brackets, and cable ties to hold cores in place. Please call CoolBLUE® Engineering for alternative methods.

* Cable length between drive and motor must be multiplied by the number of cables per phase, to calculate the total cable length to be used in above guide for CoolBLUE®. The actual length of each cable, is used in the NaLA® guide.

** For cable runs over 950ft, contact CoolBLUE® Engineering.
Contact your local CoolBLUE® Engineer for detailed information.

Installation videos can be found at: www.coolblue-mhw.com/installation/



Call CoolBLUE® at 201-252-8125, visit at <http://www.CoolBLUE-MHW.com> or email CoolBLUE@MHW-Intl.com

