

Existing unshielded motor cable installations can be utilized with VFD

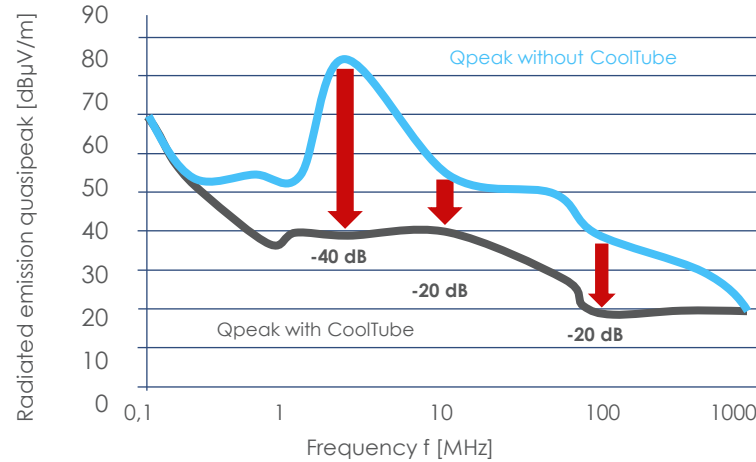
CoolTube absorbs the high frequency noise from the inverter

Special design for easy installation

Used in a wide power range

Significant cost saving for existing installations

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Magnetec offers nanocrystalline cores designed to replace the expensive shielding of motor cables and keep the EMC limits. In order to do so, simply put the CoolTube cores commonly over the L1+L2+L3 lines without N and PE. The CoolTube setup absorbs the high frequency noise before it radiates out of the cables. So even unshielded motor cables can be used together with VFDs. Each single CoolTube can handle up to 50 m motor cable. If you have 150 m motor cable you have to use 3, etc. CoolTube can handle up to 1,2 MW Motors.

Types	Power range [kW]	Nominal dim. [mm] do x di x h	Finished dim [mm] Do _{max} xDi _{min} xH _{max}	Lfe [cm]	Afe [cm ²]	I _{sat} * [A _{pk}]
M-1207	7	30x20x100	33,7x16,8x135	7,8	3,8	8
M-1230	30	50x40x200	53,4x36,6x235	14,1	7,3	15
M-1275	75	80x63x300	86x58x360	22,2	19,0	20
M-1231	315	160x130x300	165x123x340**	45,4	32,4	30
M-1212	1200	200x175x300	208x168x370**	58,0	27,2	40

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