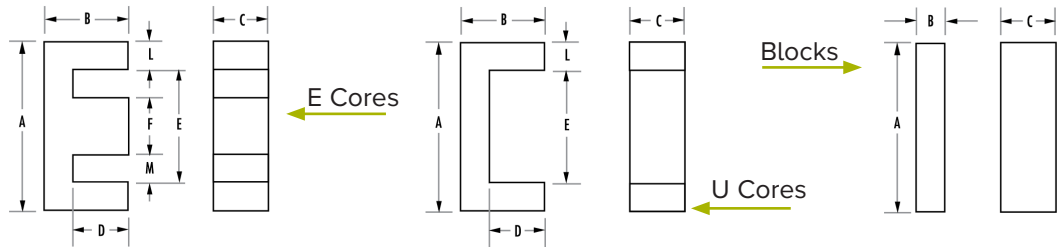




# Large Kool M $\mu$ <sup>®</sup> Cores For Custom Assembly

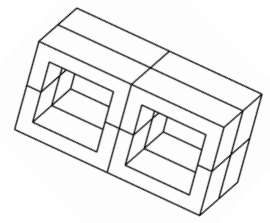
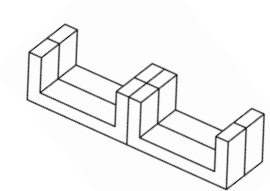
**PRODUCT OVERVIEW:**

- > Ideal for high current inductors offering all the advantages of Kool M $\mu$ <sup>®</sup> material.
  - > low core loss
  - > excellent performance over temperature
  - > near zero magnetostriction
  - > soft saturation
- > Modular construction allows flexible design options for custom assemblies
- > Discrete air gaps between Kool M $\mu$ <sup>®</sup> blocks are not generally needed because the air gap is inherent in the material
- > Typical applications are Uninterruptible Power Supplies, large PFC chokes, traction and inverters for renewable energy.



**DIMENSIONS (mm)**

	Type	A	B	C	D	E	F	L	M
<b>E Cores</b>	E5528 DIN 55/21	54.9	27.6	20.6	18.5	37.5	16.8	8.4	10.2
	E5530 Din 55-25	54.9	27.6	24.6	18.5	37.5	16.8	8.4	10.2
	E6527 Metric E65	65.1	32.5	27.0	22.1	44.2	19.7	10.0	12.0
	E7228 F11	72.4	27.9	19.1	17.7	52.6	19.1	9.5	16.8
	E8020 Metric E80	80.0	38.1	19.8	28.1	59.3	19.8	9.9	19.8
	LE114	114.0	46.2	34.9	28.9	79.8	34.9	17.1	22.5
	LE114HT26	114.0	46.2	26.19	28.9	79.8	34.9	17.1	22.5
	LE130	130.3	32.5	53.9	22.2	108.4	20.0	10.0	44.2
	LE160	160.0	38.1	39.6	28.1	138.4	19.8	9.9	59.3
<b>U Cores</b>	U5527	54.9	27.6	16.3	16.8	33.8		10.5	
	U5527	54.9	27.6	23.2	16.8	33.0		10.5	
	U5529	65.1	32.5	27.0	22.2	44.2		10.0	
	U6527	65.1	32.5	20.0	20.0	40.1		12.5	
	U7236	72.4	35.6	20.9	21.7	44.6		13.9	
	U8020	80.0	38.1	19.8	28.1	59.3		9.9	
	U8038	80.0	38.1	22.4	22.7	49.3		15.4	
<b>Blocks</b>	B4741	47.5	41.0	27.5					
	B5030	50.5	30.3	15.0					
	B5528	54.86	57.56	20.6					
	B6030	60.0	30.0	15.0					
	B8030	80.5	30.3	20.0					



**ABOUT DEXTER**

Dexter Magnetic Technologies was founded as Permug Corporation in 1951 as the FIRST global magnetic materials distributor.

Since then, Dexter Magnetic Technologies has become your essential magnetic partner. The company's growing supply chain offers the most diverse offerings of current magnetic materials. Our experienced engineers and support staff can help you choose the correct "off-the-shelf" components, or assist in a custom, cost effective solution to your needs.

**MAGNETIC DATA**

	Type	A <sub>L</sub> nH/Turn <sup>2</sup> (±8%) 26 $\mu$	A (mm <sup>2</sup> )	I <sub>c</sub> (mm)	V <sub>a</sub> (mm <sup>3</sup> )	W <sub>a</sub> (mm <sup>2</sup> )	PART NUMBER
<b>E Cores</b>	E5528	116	350	123	43,100	381	00K5528E026
	E5530	138	417	123	51,300	381	00K5530E026
	E6527	162	540	147	79,400	537	00K6527E026
	E7228	130	368	137	50,400	602	00K7228E026
	E8020	103	389	185	72,000	1,110	00K8020E026
	LE114	235	1220	215	262,000	1,300	00K114LE026
	LE114HT26	182	914	215	197,000	1,300	00K114LE026HT26
	LE130	254	1080	219	237,000	1,960	00K130LE026
	LE160	180	778	273	212,000	3,330	00K160LE026
<b>U Cores</b>	U5527	67	172	168	28,900	921	00K5527U026
	U5529	85	244	168	41,000	921	00K5529U026
	U6527	89	270	219	59,100	1,630	00K6527U026
	U6533	82	250	199	49,800	1,284	00K6533U026
	U7236	87	290	219	63,500	1,545	00K7236U026
	U8020	64	195	273	53,200	2,740	00K8020U026
	U8038	97	354	237	83,900	1,793	00K8038U026
<b>Blocks</b>	B4741	N/A			53,600		00K4741B026
	B5030	N/A			23,000		00K5030B026
	B5528	N/A			31,200		00K5528B026
	B6030	N/A			27,000		00K6030B026
	B8030	N/A			48,800		00K8030B026

