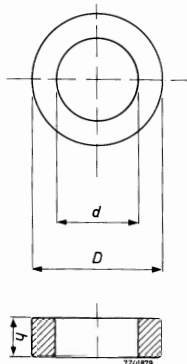


For detailed information on these and other types see Data Handbook C4/C5

Ring cores are widely used for pulse and broad band transformers. In the field of RFI-suppression an important application is as a current compensated choke.

When used as a power transformer the main advantages are the long winding length and the very weak stray field (3C85 and 3F3).

The special grade 3R1 is a rectangular loop ferrite suitable for magnetic amplifiers and spike suppression. Our extensive range of sizes includes types proposed in IEC 525 plus many other current sizes. The ring cores are isolated with a coat of nylon 11 (0.1 – 0.3 mm) to give good HV – isolation between core and winding (1.5 – 2 kV).



Range of ring cores (4330 030

size of non-coated ring D x d x h	material grade and colour code						
	violet 4C65	pink 4A11	red 3C85	blue 3F3	white 3C11	orange 3E25	black 3R1
2.5 x 1.5 x 1.0*	34680	34350		37880		37060	
4 x 2.2 x 1.1	34690	34360		37890		37350	
4 x 2.2 x 1.6*	34700	34370		34780		37070	
6 x 4 x 2	97160**	34380		37900		37080	
6.3 x 3.8 x 2.5*	34790	34870		34970			
9 x 6 x 3	97170**	34390		37910		37090	37680
10 x 6 x 4*	34810	34880		34980	34500	34580	
12.5 x 7.5 x 5*		34400	37790	37920	34920	37100	
14 x 9 x 5	97180**	34410	37450	37930	37460	37110	37690
14 x 9 x 9		34420	37800	37940		37120	
16 x 9.6 x 6.3*		34430	37810	37950	37180	37130	
19 x 10.6 x 10			34910		37470	37340	
19 x 10.6 x 15			37480		37490	37140	
20 x 10 x 7*	34820		34470		34510	34950	
23 x 14 x 7	97190**	34440	37500	34990	37510	37160	37700
25 x 15 x 10*			34480	35000	34520	34500	
26 x 14.5 x 10			37830		37520	37170	
26 x 14.5 x 20			37840		37530	37540	
29 x 19 x 7.5			37850		37580		
31.5 x 19 x 12.5*			34490	35010	34530	34510	
36 x 23 x 10	34710		37860		37550		
36 x 23 x 15*	97200**	34450	37870	35020	37560	34220	34310

* Proposed as European standard range

** 4322 020



PHILIPS

For detailed information on these and other types see Data Handbook C4/C5

These ring cores are made from electrolytic iron mixed with a small amount of resin to prevent excessive eddy currents. Due to their high saturation flux density (more than 1500 mT) they are very suitable for output chokes carrying high DC currents. The cores are coated with nylon 11 (0.1 – 0.3 mm thickness to give good HV insulation between core and winding (2 kV).



Range of cores (4330 030)

size excl. coating D x d x h	grade: µi: colour code:	2P40 40 ± 10% dark yellow	2P50 50 + + 10% dark blue	2P65 65 ± 10% dark red	2P80 80 ± 10% darg green	2P90 90 ± 10% dark brown
7.5 x 4.1 x 3		60010	60080	6150	60220	60290
12.3 x 8 x 4.4		60020	60090	60160	60230	60300
17.1 x 9.8 x 4.4		60030	60100	60170	60240	60310
19.9 x 12.9 x 6		60040	60110	60180	60250	60320
23.5 x 14.6 x 7.5		60050	60120	60190	60260	60330
26.5 x 14.9 x 10.7		60060	60130	60200	60270	—
32.6 x 20.2 x 10.7		60070	60140	60210	60280	—

