

## Core ID code as per VDE colour code

**Colour code for power cables as per VDE 0293 (old) –(colour codes are listed in IEC 60757)  
For marking cores in multi- and several-core cables for connecting portable power consumers.**

1	2	3	4
Number of cores	Cable with yellow-green core (HAR)	Cables without green/yellow core (currently not yet harmonised)	Cables with concentric conductor
2	-	BN/BU	-
3	GNYE/BN/BU	BN/BU/BK	-
3*	-	BN/BK/GY	-
4	GNYE/BK/BU/BN	BK/BN/BU/BK	-
4*	GNYE/BN/BK/GY	BU/BN/BK/GY	-
5	GNYE/BK/BU/BN/BK	BK/BN/BU/BK/BK	-
5*	GNYE/BU/BN/BK/GY	BU/BN/BK/GY/BK	-
6 and above	GNYE/further cores in BK with printed numbers, starting from the inside with 1, GNYE in the outer layer	Cores in BK with printed numbers, starting from the inside with 1	-

**For marking cores in multi- and several-core cables and in multi-core cables for fixed installation.**

1	2	3	4
Number of cores	Cable with yellow-green core (HAR)	Cables without green/yellow core (currently not yet harmonised)	Cables with concentric conductor
2	-	BN/BU	BK/BU
3	GNYE/BN/BU	BN/BU/BK	BK/BU/BN
3*	-	BN/BK/GY	-
4	GNYE/BK/BU/BN	BK/BN/BU/BK	BK/BU/BN/BK
4*	GNYE/BN/BK/GY	BU/BN/BK/GY	-
5	GNYE/BK/BU/BN/BK	BK/BN/BU/BK/BK	-
5*	GNYE/BU/BN/BK/GY	BU/BN/BK/GY/BK	-
6 and above	GNYE/further cores in BK with printed numbers, starting from the inside with 1, GNYE in the outer layer	Cores in BK with printed numbers, starting from the inside with 1	Cores in BK with printed numbers, starting from the inside with 1

## VDE 0293-308/HD 308 S2

**Core ID code for colour-coded low-voltage cables**

**For the supply of permanently secured or portable supplies and for portable equipment cables.**

**3a and 4a: only suitable for specific applications.**

1	2	3	4
Number of cores	Cables with protective conductor (code J or G)	Cables without protective conductor (code O or X)	Cables with concentric conductor
2	-	BU/BN	BU/BN
3	GNYE/BN/BU	BN/BK/GY	BN/BK/GY
3a	-	BU/BN/BK	BU/BN/BK
4	GNYE/BN/BK/GY	BU/BN/BK/GY	BU/BN/BK/GY
4a	GNYE/BU/BN/BK		
5	GNYE/BU/BN/BK/GY	BU/BN/BK/GY/BK	BU/BN/BK/GY/BK
6 and above	GNYE/BK with printed numbers	BK with printed numbers	BK with printed numbers

## DIN 47100/January 1988 – colour code for UNITRONIC® twisted pair

Each pair has an a-core and a b-core. The marking is repeated for the first time as from 23 pairs, and for the second time as from 45 pairs.

Pair no.	Colour of a-core	Colour of b-core	Pair no.	Colour of a-core	Colour of b-core
1	white	brown	13	white/black	brown/black
2	green	yellow	14	grey/green	yellow/grey
3	grey	pink	15	pink/green	yellow/pink
4	blue	red	16	green/blue	yellow/blue
5	black	violet	17	green/red	yellow/red
6	grey/pink	red/blue	18	green/black	yellow/black
7	white/green	brown/green	19	grey/blue	pink/blue
8	white/yellow	yellow/brown	20	grey/red	pink/red
9	white/grey	grey/brown	21	grey/black	pink/black
10	white/pink	pink/brown	22	blue/black	red/black
11	white/blue	brown/blue	23-44	see 1-22	see 1-22
12	white/red	brown/red	45-66	see 1-22	see 1-22

## DIN 47100 colour code

(but differs from DIN as the colours are not repeated after the 44th core)

Core no.	Colour	Core no.	Colour	Core no.	Colour	Core no.	Colour
1	white	17	white/grey	33	green/red	49	white/green/black
2	brown	18	grey/brown	34	yellow/red	50	brown/green/black
3	green	19	white/pink	35	green/black	51	white/yellow/black
4	yellow	20	pink/brown	36	yellow/black	52	yellow/brown/black
5	grey	21	white/blue	37	grey/blue	53	white/grey/black
6	pink	22	brown/blue	38	pink/blue	54	grey/brown/black
7	blue	23	white/red	39	grey/red	55	white/pink/black
8	red	24	brown/red	40	pink/red	56	pink/brown/black
9	black	25	white/black	41	grey/black	57	white/blue/black
10	violet	26	brown/black	42	pink/black	58	brown/blue/black
11	grey/pink	27	grey/green	43	blue/black	59	white/red/black
12	red/blue	28	yellow/grey	44	red/black	60	brown/red/black
13	white/green	29	pink/green	45	white/brown/black	61	black/white
14	brown/green	30	yellow/pink	46	yellow/green/black		
15	white/yellow	31	green/blue	47	grey/pink/black		
16	yellow/brown	32	yellow/blue	48	red/blue/black		