■ **VDE 0293-308/HD 308 S2**
Conductor ident code for colour coded low voltage multiconductor cables and cords

Marking of the conductors of low-voltage multiconductor cables and cords of portable equipment as well as for electrical installation and distribution systems. 3a und 4a: for special applications only.

1 Number of conductors	2 Cables and cords having protective conductor (Abbreviations: J or G)	3 Cables and cords without protective conductor (Abbreviations: O or X)	4 Cables having concentric conductor design
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 more	GNYE/BK having printed numbers	BK having printed numbers	BK having printed numbers

■ **VDE0293 former Colour Code for Power Cables –**
(colour abbreviations are listed in IEC 60757)

Marking of the cores in multi-core and multi-wire cables for connecting mobile and portable equipment

1 Number of conductors	2 Cables with green-yellow identified core (harmonized)	3 Cables without green-yellow identified core (not yet harmonized)	4 Cables with concentric conductors
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 more	GNYE/other cores black with numbering from inside beginning with 1, GNYE in the outer layer	Black cores with numbering, from inside beginning with 1.	–

Marking of the cores in multi-core and multi-wire cables for static installation

1 Number of conductors	2 Cables with green-yellow identified core (Abbreviations: J)	3 Cables without green-yellow identified core (Abbreviations: O)	4 Cables with concentric conductors
2	–	BK/BU	BK/BU
3	GNYE/BK/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 more	GNYE/other cores black with numbering from inside beginning with 1, GNYE in the outer layer	Black cores with numbering, from inside beginning with 1.	Black cores with numbering, from inside beginning with 1.

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■ DIN 47100/January 1988 – Colour code for UNITRONIC® twisted pairs

Each pair comprises one a-core and one b-core. From 23 pairs upwards the marking repeats for the first time and from 45 pairs upwards for the second time. The first colour is always the basic colour of the core and the second colour is printed in rings.

Pair No.	Colour a-core	Colour b-core	Pair No.	Colour a-core	Colour 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	blau/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 in contrast to DIN: without colour repetition after the 44th core)

Exception: 4-core cord: white, yellow, brown, green.

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

The first colour indicates the basic colour of the core insulation, the second colour indicates the colour of the printed ring.
Where three colours are indicated, the second and third colours are printed on the basic colour.

■ Colour Code UNITRONIC® 300 & 300 CY (20 – 16 AWG)

Core No.	Colour	Core No.	Colour	Core No.	Colour	Core No.	Colour	Core No.	Colour
1	black	11	pink	21	white/brown	31	white/black/gray	41	white/green/red
2	red	12	tan	22	white/orange	32	white/black/violet	42	white/green/green
3	white	13	red/green	23	white/gray	33	white/black/black	43	white/green/blue
4	green	14	red/yellow	24	white/violet	34	white/red/black	44	white/green/brown
5	orange	15	red/black	25	white/black/red	35	white/red/red	45	white/green/violet
6	blue	16	white/black	26	white/black/green	36	white/red/green	46	white/blue/black
7	brown	17	white/red	27	white/black/yellow	37	white/red/blue	47	white/blue/red
8	yellow	18	white/green	28	white/black/blue	38	white/red/brown	48	white/blue/green
9	violet	19	white/yellow	29	white/black/brown	39	white/red/violet	49	white/blue/blue
10	gray	20	white/blue	30	white/black/orange	40	white/green/black	50	white/blue/brown

■ Colour Code UNITRONIC® 300 & 300 CY (24 – 22 AWG)

Core No.	Colour	Core No.	Colour	Core No.	Colour	Core No.	Colour	Core No.	Colour
1	black	11	white/black	21	white/black/red	31	white/brown/green	41	white/orange/yellow
2	brown	12	white/brown	22	white/black/orange	32	white/brown/blue	42	white/orange/green
3	red	13	white/red	23	white/black/yellow	33	white/brown/violet	43	white/orange/blue
4	orange	14	white/orange	24	white/black/green	34	white/brown/gray	44	white/orange/violet
5	yellow	15	white/yellow	25	white/black/blue	35	white/red/orange	45	white/orange/gray
6	green	16	white/green	26	white/black/violet	36	white/red/yellow	46	white/yellow/green
7	blue	17	white/blue	27	white/black/gray	37	white/red/green	47	white/yellow/blue
8	violet	18	white/violet	28	white/brown/red	38	white/red/blue	48	white/yellow/violet
9	gray	19	white/gray	29	white/brown/orange	39	white/red/violet	49	white/yellow/gray
10	white	20	white/black/brown	30	white/brown/yellow	40	white/red/gray	50	white/green/blue

For current information see www.lappgroup.com/products