Colour code for ÖLFLEX® cables

Applicable for the following cables with 6 or more cores: ÖLFLEX® CLASSIC 100, ÖLFLEX® CLASSIC 100 CY, ÖLFLEX® CLASSIC 100 SY and ÖLFLEX® CLASSIC 100 BK Power 0.6/1 KV. It contains colours and colour combinations of up to 102 cores and consists of 11 basic colours. The variations in the basic colours are made by one or two 2 mm wide colour spirals.In this way each core can be distinguished easily from the others. For cables with up to 5 cores see T9.

Basic colours

0	green-yellow
1	white
2	black
3	blue
4	brown
5	grey
6	red
7	violet
8	pink
9	orange
10	transparent
11	beige

Basic colours with white spiral

12	black-white
13	blue-white
14	brown-white
15	grey-white
16	red-white
17	violet-white
18	pink-white
19	orange-white
20	transparent-white
21	beige-white

Basic colours with black spiral

22	blue-black
23	brown-black
24	grey-black
25	red-black
26	violet-black
27	pink-black
28	orange-black
29	transparent/black
30	beige-black

Basic colours with blue spiral

31	brown-blue
32	grey-blue
33	red-blue
34	pink-blue
35	orange-blue
36	transparent-blue
37	beige-blue

Basic colours with brown spiral

38	grey-brown
39	red-brown
40	violet-brown
41	pink-brown
42	orange-brown
43	transparent-brown
44	beige-brown

Basic colours with grey spiral

45	red-grey
46	violet-grey
47	pink-grey
48	orange-grey
49	transparent-grey
50	beige-grey

Basic colours with red spiral

51	orange-red
52	transparent-red
53	beige-red

Basic colours with violet spiral

54	pink-violet
55	orange-violet
56	transparent-violet

Colour code for UNITRONIC®100 cables

This contains colours and colour combinations up to 102 cores and consists of 10 basic colours. The variation in the basic colours is achieved by one or two 2 mm wide colour spirals or by ringmarking. In this way each core is easily distinguishable from the others.

Basic colours

0	green-yellow
1	black
2	blue
3	brown
4	beige
5	yellow
6	green
7	violet
8	pink
9	orange
10	transparent

Basic colours with white spiral

11	red-white
12	blue-white
13	yellow-white
14	green-white
15	violet-white
16	orange-white
17	brown-white

Basic colours with red spiral

18	blue-red
19	yellow-red
20	green-red
21	white-red
22	orange-red
23	brown-red

Basic colours with black spiral

24	red-black
25	blue-black
26	yellow-black
27	green-black
28	violet-black
29	white-black
30	orange-black
31	brown-black

Basic colours with green spiral

32	red-green
33	grey-green
34	violet-green
35	white-green
36	orange-green
37	brown-green

Basic colours with yellow spiral

38	red-yellow
39	blue-yellow
40	violet-yellow
41	white-yellow
42	brown-yellow

Basic colours with blue spiral

43	red-blue
44	white-blue
45	orange-blue
46	brown-blue

Basic colours with violet spiral

47	yellow-violet
48	green-violet
49	white-violet
50	orange-violet
51	brown-violet

Basic colours black, variegated spiral

52	black-white
53	black-yellow
54	black-red
55	black-green
56	black-blue
57	black-violet

T8: International Colour Codes for Extension and Compensating Cables

Thermocouple		DIN IEC 584		DIN 43710	
	Material ⊕ ⊖	Identification EXT	COM	Identification THL	COM
T	Cu – CuNi	TX			
U	Cu – CuNi			UX	
J	Fe – CuNi	JX			
L	Fe – CuNi			LX	
E	NiCr – CuNi	EX			
K	NiCr – Ni	KX			
K	NiCr – Ni		KCA		KCA
K	NiCr – Ni		KCB		
N	NiCrSi – NiSi	NX	NC		
R S	PtRh13 – Pt PtRh10 – Pt		RCB SCB		RCB SCB
B	PtRh30 – PtRh6				

EXT = Extension Cables
COM = Compensating Cables

T9: Core Ident Code according to VDE Colour Code

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 con-ductors	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 con-ductors	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.	–

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 static installation

1 Number of con-ductors	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.

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
1	white	brown
2	green	yellow
3	grey	pink
4	blue	red
5	black	violet
6	grey/pink	red/blue
7	white/green	brown/green
8	white/yellow	yellow/brown
9	white/grey	grey/brown
10	white/pink	pink/brown
11	white/blue	brown/blue
12	white/red	brown/red
13	white/black	brown/black
14	grey/green	yellow/grey
15	pink/green	yellow/pink
16	green/blue	yellow/blue
17	green/red	yellow/red
18	green/black	yellow/black
19	grey/blue	pink/blue
20	grey/red	pink/red
21	grey/black	pink/black
22	blue/black	red/black
23 – 44	see 1–22	see 1–22
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
1	white	32	yellow/blue
2	brown	33	green/red
3	green	34	yellow/red
4	yellow	35	green/black
5	grey	36	yellow/black
6	pink	37	grey/blue
7	blue	38	pink/blue
8	red	39	grey/red
9	black	40	pink/red
10	violet	41	grey/black
11	grey/pink	42	pink/black
12	red/blue	43	blue/black
13	white/green	44	red/black
14	brown/green	45	white/brown/black
15	white/yellow	46	yellow/green/black
16	yellow/brown	47	grey/pink/black
17	white/grey	48	red/blue/black
18	grey/brown	49	white/green/black
19	white/pink	50	brown/green/black
20	pink/brown	51	white/yellow/black
21	white/blue	52	yellow/brown/black
22	brown/blue	53	white/grey/black
23	white/red	54	grey/brown/black
24	brown/red	55	white/pink/black
25	white/black	56	pink/brown/black
26	brown/black	57	white/blue/black
27	grey/green	58	brown/blue/black
28	yellow/grey	59	white/red/black
29	pink/green	60	brown/red/black
30	yellow/pink	61	black/white
31	green/blue		

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
1	black	26	white/black/green
2	red	27	white/black/yellow
3	white	28	white/black/blue
4	green	29	white/black/brown
5	orange	30	white/black/orange
6	blue	31	white/black/gray
7	brown	32	white/black/violet
8	yellow	33	white/black/black
9	violet	34	white/red/black
10	gray	35	white/red/red
11	pink	36	white/red/green
12	tan	37	white/red/blue
13	red/green	38	white/red/brown
14	red/yellow	39	white/red/violet
15	red/black	40	white/green/black
16	white/black	41	white/green/red
17	white/red	42	white/green/green
18	white/green	43	white/green/blue
19	white/yellow	44	white/green/brown
20	white/blue	45	white/green/violet
21	white/brown	46	white/blue/black
22	white/orange	47	white/blue/red
23	white/gray	48	white/blue/green
24	white/violet	49	white/blue/blue
25	white/black/red	50	white/blue/brown

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

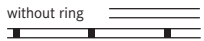
Core No.	Colour	Core No.	Colour
1	black	26	white/black/violet
2	brown	27	white/black/gray
3	red	28	white/brown/red
4	orange	29	white/brown/orange
5	yellow	30	white/brown/yellow
6	green	31	white/brown/green
7	blue	32	white/brown/blue
8	violet	33	white/brown/violet
9	gray	34	white/brown/gray
10	white	35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

VDE 0815 and 0816 Unit Twisted

Colour Code for Cable Types J-2Y(ST)Y, A-2YF(L)2Y, A-2Y(L)2Y Star-quad bundles

The marking of the cores is by means of rings quad of a unit.

Side 1
a-core without ring
b-core



Side 2
a-core
b-core

Basic colours of the core insulation for the 5 quads

Quad 1 red
Quad 2 green
Quad 3 grey
Quad 4 yellow
Quad 5 white

The number units are marked with red spirals.

VDE 0815

Colour Code for Indoor Telephone Cables J-Y(ST)Y ... LG (Pairs in layers, counting from outside to inside).

a-core:
pairs in each layer red, by all other pairs white.

b-core:
blue, yellow, green, brown, black in continual repetition.

Supposition:
The two paired installation cable is star quad stranded.

Side 1 (pair 1):
a-core red
b-core black

Side 2 (pair 2):
a-core white
b-core yellow

VDE 0815

Colour Code for Industrial Electronic Cables JE-... Marking:

The cores of these pairs are marked by the basic colours of the insulating sheath, which are repeated in the same sequence in each unit:

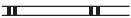
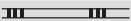
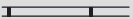
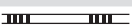
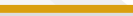
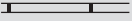
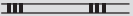
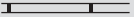
Basic colours of the pairs:

Pair	1	2	3	4
a-core	blue	grey	green	white
b-core	red	yellow	brown	black

The units are marked in groups with the colour of the rings on the core insulation sheaths and the arrangement of the coloured rings. The ring groups are spaced approximately 60 mm apart.

In cables with more than 12 units the 13th and the subsequent units have coloured spirals.

T10: Core Ident Code: VDE Colour Code for Telephone Cables

Unit	Ring colour	Ring group	Unit spiral
1	pink		–
2	pink		–
3	pink		–
4	pink		–
5	orange		–
6	orange		–
7	orange		–
8	orange		–
9	violet		–
10	violet		–
11	violet		–
12	violet		–
13	pink		blue
14	pink		blue
15	pink		blue
16	pink		blue
17	orange		red
18	orange		red
19	orange		red
20	orange		red