

Colour-coding / Core identification

■ Colour code with reference to DIN 47100

core no.	basic colour	1st ring	2nd ring	core no.	basic colour	1st ring	2nd ring
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					

■ Core identification acc. to HD 308

Identification of cores in cables and flexible cords by colours

no. of cores	cables with green-yellow earth wire	cables without green-yellow earth wire
2-cores	–	blue - brown
3-cores	green-yellow - blue - brown	brown - black - grey
4-cores	green-yellow - brown - black - grey	blue - brown - black - grey
5-cores	green-yellow - blue - brown - black - grey	blue - brown - black - grey - black

■ Core identification with numbers acc. to EN 50334

Marking inscription for identification of cores of electric cables (number printing).
Other core colours are allowed except green and yellow.

■ SAB colour code for RTD connection cables

no. of cores	colour code
2-cores	red - white
3-cores	red - red - white
4-cores	red - red - white - white
6-cores	red - red - white - white - black - black

up to 4 conductors acc. to IEC 60751,
6 conductors deviating from standard

■ Colour-coding to customer specification is also possible!

Colour-coding / Core identification

■ Colour code US 1

core no.	basic colour	1st ring	2nd ring	core no.	basic colour	1st ring	2nd ring
1	black			7	orange		
2	white			8	yellow		
3	red			9	violet		
4	green			10	grey		
5	brown			11	pink		
6	blue			12	beige		

■ Colour code US 2

core no.	basic colour	1st ring	2nd ring	core no.	basic colour	1st ring	2nd ring
1	black			26	orange	black	white
2	white			27	blue	black	white
3	red			28	black	red	green
4	green			29	white	red	green
5	orange			30	red	black	green
6	blue			31	green	black	orange
7	white	black		32	orange	black	green
8	red	black		33	blue	white	orange
9	green	black		34	black	white	orange
10	orange	black		35	white	red	orange
11	blue	black		36	orange	white	blue
12	black	white		37	white	red	blue
13	red	white		38	black	white	green
14	green	white		39	white	black	green
15	blue	white		40	red	white	green
16	black	red		41	green	white	blue
17	white	red		42	orange	red	green
18	orange	red		43	blue	red	green
19	blue	red		44	black	white	blue
20	red	green		45	white	black	blue
21	orange	green		46	red	white	blue
22	black	white	red	47	green	orange	red
23	white	black	red	48	orange	red	blue
24	red	black	white	49	blue	red	orange
25	green	black	white	50	black	orange	red

■ Colour code US 3

pair no.	colour combination			pair no.	colour combination		
1	black	paired with	red	20	white	paired with	yellow
2	black	paired with	white	21	white	paired with	brown
3	black	paired with	green	22	white	paired with	orange
4	black	paired with	blue	23	blue	paired with	yellow
5	black	paired with	yellow	24	blue	paired with	brown
6	black	paired with	brown	25	blue	paired with	orange
7	black	paired with	orange	26	brown	paired with	yellow
8	red	paired with	white	27	brown	paired with	orange
9	red	paired with	green	28	orange	paired with	yellow
10	red	paired with	blue	29	violet	paired with	orange
11	red	paired with	yellow	30	violet	paired with	red
12	red	paired with	brown	31	violet	paired with	white
13	red	paired with	orange	32	violet	paired with	green
14	green	paired with	white	33	violet	paired with	blue
15	green	paired with	blue	34	violet	paired with	yellow
16	green	paired with	yellow	35	violet	paired with	brown
17	green	paired with	brown	36	violet	paired with	black
18	green	paired with	orange	37	grey	paired with	white
19	white	paired with	blue				

Colour-coding / Core identification

■ Colour code US 4

core no.	basic colour	1st ring	2nd ring	core no.	basic colour	1st ring	2nd ring
1	black			29	white	brown	orange
2	brown			30	white	brown	yellow
3	red			31	white	brown	green
4	orange			32	white	brown	blue
5	yellow			33	white	brown	violet
6	green			34	white	brown	grey
7	blue			35	white	red	orange
8	violet			36	white	red	yellow
9	grey			37	white	red	green
10	white			38	white	red	blue
11	white	black		39	white	red	violet
12	white	brown		40	white	red	grey
13	white	red		41	white	orange	yellow
14	white	orange		42	white	orange	green
15	white	yellow		43	white	orange	blue
16	white	green		44	white	orange	violet
17	white	blue		45	white	orange	grey
18	white	violet		46	white	yellow	green
19	white	grey		47	white	yellow	blue
20	white	black	brown	48	white	yellow	violet
21	white	black	red	49	white	yellow	grey
22	white	black	orange	50	white	green	blue
23	white	black	yellow	51	white	green	violet
24	white	black	green	52	white	green	grey
25	white	black	blue	53	white	blue	violet
26	white	black	violet	54	white	blue	grey
27	white	black	grey	55	white	violet	grey
28	white	brown	red				

■ Colour code US 5

pair no.	colour combination			pair no.	colour combination		
1	black	paired with	red	27	brown	paired with	yellow
2	black	paired with	white	28	violet	paired with	red
3	black	paired with	green	29	violet	paired with	white
4	black	paired with	blue	30	violet	paired with	green
5	black	paired with	brown	31	violet	paired with	blue
6	black	paired with	yellow	32	violet	paired with	brown
7	black	paired with	orange	33	violet	paired with	yellow
8	red	paired with	green	34	violet	paired with	orange
9	red	paired with	white	35	violet	paired with	grey
10	red	paired with	blue	36	violet	paired with	black
11	red	paired with	yellow	37	grey	paired with	red
12	red	paired with	brown	38	grey	paired with	white
13	red	paired with	orange	39	grey	paired with	green
14	green	paired with	blue	40	grey	paired with	blue
15	green	paired with	white	41	grey	paired with	brown
16	green	paired with	brown	42	grey	paired with	yellow
17	green	paired with	orange	43	grey	paired with	orange
18	green	paired with	yellow	44	grey	paired with	black
19	white	paired with	blue	45	white/black	paired with	red
20	white	paired with	brown	46	white/black	paired with	green
21	white	paired with	orange	47	white/black	paired with	blue
22	white	paired with	yellow	48	white/black	paired with	brown
23	blue	paired with	brown	49	white/black	paired with	yellow
24	blue	paired with	orange	50	white/black	paired with	orange
25	blue	paired with	yellow	51	white/black	paired with	violet
26	brown	paired with	orange				