

# Technical characteristics

## 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 connection cables of resistance thermometers

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!

# Technical characteristics

## Colour coding / Core identification

### Colour code US 1

core no.	basic colour	1st ring	2nd ring
1	black		
2	white		
3	red		
4	green		
5	brown		
6	blue		

core no.	basic colour	1st ring	2nd ring
7	orange		
8	yellow		
9	violet		
10	grey		
11	pink		
12	beige		

### Colour code US 2

core no.	basic colour	1st ring	2nd ring
1	black		
2	white		
3	red		
4	green		
5	orange		
6	blue		
7	white	black	
8	red	black	
9	green	black	
10	orange	black	
11	blue	black	
12	black	white	
13	red	white	
14	green	white	
15	blue	white	
16	black	red	
17	white	red	
18	orange	red	
19	blue	red	
20	red	green	
21	orange	green	
22	black	white	red
23	white	black	red
24	red	black	white
25	green	black	white

core no.	basic colour	1st ring	2nd ring
26	orange	black	white
27	blue	black	white
28	black	red	green
29	white	red	green
30	red	black	green
31	green	black	orange
32	orange	black	green
33	blue	white	orange
34	black	white	orange
35	white	red	orange
36	orange	white	blue
37	white	red	blue
38	black	white	green
39	white	black	green
40	red	white	green
41	green	white	blue
42	orange	red	green
43	blue	red	green
44	black	white	blue
45	white	black	blue
46	red	white	blue
47	green	orange	red
48	orange	red	blue
49	blue	red	orange
50	black	orange	red

### Colour code US 3

pair no.	colour combination		
1	black	paired with	red
2	black	paired with	white
3	black	paired with	green
4	black	paired with	blue
5	black	paired with	yellow
6	black	paired with	brown
7	black	paired with	orange
8	red	paired with	white
9	red	paired with	green
10	red	paired with	blue
11	red	paired with	yellow
12	red	paired with	brown
13	red	paired with	orange
14	green	paired with	white
15	green	paired with	blue
16	green	paired with	yellow
17	green	paired with	brown
18	green	paired with	orange
19	white	paired with	blue

pair no.	colour combination		
20	white	paired with	yellow
21	white	paired with	brown
22	white	paired with	orange
23	blue	paired with	yellow
24	blue	paired with	brown
25	blue	paired with	orange
26	brown	paired with	yellow
27	brown	paired with	orange
28	orange	paired with	yellow
29	violet	paired with	orange
30	violet	paired with	red
31	violet	paired with	white
32	violet	paired with	green
33	violet	paired with	blue
34	violet	paired with	yellow
35	violet	paired with	brown
36	violet	paired with	black
37	grey	paired with	white

# Technical characteristics

## Colour coding / Core identification

### Colour code US 4

core no.	basic colour	1st ring	2nd ring
1	black		
2	brown		
3	red		
4	orange		
5	yellow		
6	green		
7	blue		
8	violet		
9	grey		
10	white		
11	white	black	
12	white	brown	
13	white	red	
14	white	orange	
15	white	yellow	
16	white	green	
17	white	blue	
18	white	violet	
19	white	grey	
20	white	black	brown
21	white	black	red
22	white	black	orange
23	white	black	yellow
24	white	black	green
25	white	black	blue
26	white	black	violet
27	white	black	grey
28	white	brown	red

core no.	basic colour	1st ring	2nd ring
29	white	brown	orange
30	white	brown	yellow
31	white	brown	green
32	white	brown	blue
33	white	brown	violet
34	white	brown	grey
35	white	red	orange
36	white	red	yellow
37	white	red	green
38	white	red	blue
39	white	red	violet
40	white	red	grey
41	white	orange	yellow
42	white	orange	green
43	white	orange	blue
44	white	orange	violet
45	white	orange	grey
46	white	yellow	green
47	white	yellow	blue
48	white	yellow	violet
49	white	yellow	grey
50	white	green	blue
51	white	green	violet
52	white	green	grey
53	white	blue	violet
54	white	blue	grey
55	white	violet	grey

### Colour code US 5

pair no.	colour combination		
1	black	paired with	red
2	black	paired with	white
3	black	paired with	green
4	black	paired with	blue
5	black	paired with	brown
6	black	paired with	yellow
7	black	paired with	orange
8	red	paired with	green
9	red	paired with	white
10	red	paired with	blue
11	red	paired with	yellow
12	red	paired with	brown
13	red	paired with	orange
14	green	paired with	blue
15	green	paired with	white
16	green	paired with	brown
17	green	paired with	orange
18	green	paired with	yellow
19	white	paired with	blue
20	white	paired with	brown
21	white	paired with	orange
22	white	paired with	yellow
23	blue	paired with	brown
24	blue	paired with	orange
25	blue	paired with	yellow
26	brown	paired with	orange

pair no.	colour combination		
27	brown	paired with	yellow
28	violet	paired with	red
29	violet	paired with	white
30	violet	paired with	green
31	violet	paired with	blue
32	violet	paired with	brown
33	violet	paired with	yellow
34	violet	paired with	orange
35	violet	paired with	grey
36	violet	paired with	black
37	grey	paired with	red
38	grey	paired with	white
39	grey	paired with	green
40	grey	paired with	blue
41	grey	paired with	brown
42	grey	paired with	yellow
43	grey	paired with	orange
44	grey	paired with	black
45	white/black	paired with	red
46	white/black	paired with	green
47	white/black	paired with	blue
48	white/black	paired with	brown
49	white/black	paired with	yellow
50	white/black	paired with	orange
51	white/black	paired with	violet