COLOUR CODE ACCORDING TO DIN 47100

with colour repetition from core no. 45 and above

Electronic control and computer cable: **single cores** stranding

The insulation of the conductor gives the first basic colour. The codes of the multi-coloured identification are combined with a basic colour and colour rings. The second and third colour is printed on the basic colour as a form of ring.

The ring width is 2–3 mm. A less unsharpness on the edge of the identification colour and a minor pledging of both half-rings are permitted.

The cores are to be counted continuously through all layers at the same direction, beginning with the outer layer towards inside.

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

COLOUR CODE ADAPTED* TO DIN 47100

without colour repetition

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

* deviation to DIN, without colour repetition, from core no. 45 and above

PAIR-COLOUR CODE ACCORDING TO DIN 47100

with colour repetition

Electronic control and computer cable: **pair** stranding

The insulation of the conductor gives the first basic colour. The codes of the multi-coloured identification are combined with a basic colour and colour rings. The second colour is printed on the basic colour as a form of ring. The ring width is 2–3 mm. A less unsharpness on the edge of the identification colour and a minor pledging of both half-rings are permitted.
The cores are to be counted continuously through all layers at the same direction, beginning with the outer layer towards inside.

Pair-stranding Pair-no.			core	colour
1	23	45	a	white
			b	brown
2	24	46	a	green
			b	yellow
3	25	47	a	grey
			b	pink
4	26	48	a	blue
			b	red
5	27	49	a	black
			b	violet
6	28	50	a	grey-pink
			b	red-blue
7	29	51	a	white-green
			b	brown-green
8	30	52	a	white-yellow
			b	yellow-brown
9	31	53	a	white-grey
			b	grey-brown
10	32	54	a	white-pink
			b	pink-brown
11	33	55	a	white-blue
			b	brown-blue

Pair-stranding Pair-no.			core	colour
12	34	56	a	white-red
			b	brown-red
13	35	57	a	white-black
			b	brown-black
14	36	58	a	grey-green
			b	yellow-grey
15	37	59	a	pink-green
			b	yellow-pink
16	38	60	a	green-blue
			b	yellow-blue
17	39	61	a	green-red
			b	yellow-red
18	40	62	a	green-black
			b	yellow-black
19	41	63	a	grey-blue
			b	pink-blue
20	42	64	a	grey-red
			b	pink-red
21	43	65	a	grey-black
			b	pink-black
22	44	66	a	blue-black
			b	red-black

Colour code as per DIN 47002

YV-Equipment wires
(for twin colour cables, the base colour is underlined)

ws	white	br	brown
gn	green	ge	yellow
gr	grey	rs	pink
bl	blue	rt	red
sw	black	vi	violet
wsbr	white-brown	wsgn	white-green
wsge	white-yellow	wsbl	white-blue
wsrt	white-red	wssw	white-black
brgn	brown-green	brge	brown-yellow
brbl	brown-blue	brsw	brown-black
gnge	green-yellow	gnrt	green-red
gnsw	green-black	gebl	yellow-blue
gert	yellow-red	gesw	yellow-black
grrt	grey-red	grsw	grey-black
rssw	pink-black	rsvi	pink-violet
blrt	blue-red	rtsw	red-black
virt	violet-red		

Colour code for YR-Bell Sheathed Cables

2 x 0,8: bk, bu
3 x 0,8: bk, bu, bn
4 x 0,8: bk, bu, bn, ye
5 x 0,8: bk, bu, bn, ye, gn
6 x 0,8: bk, bu, bn, ye, gn, vt
8 x 0,8: bk, bu, bn, ye, gn, vt, wh, og
10 x 0,8: bk, bu, bn, ye, gn, vt, wh, og, tr, gy
12 x 0,8: bk, bu, bn, ye, gn, vt, wh, og, tr, gy, rd, lbu
14 x 0,8: bk, bu, bn, ye, gn, vt, wh, og, tr, gy, rd, lbu, cog, lgn
16 x 0,8: bk, bu, bn, ye, gn, vt, wh, og, tr, gy, rd, lbu, cog, lgn, lrd, lye