

according to VDE 0815

► 1. Colour coding for installation cables

J-Y(St)Y ... Lg

For two-pair cable

pair 1: a-red, b-black
pair 2: a-white, b-yellow

For cables with more than 2 pairs

- > The colour of the a-core in the first pair of each layer is red ("counting" pair), in all other pairs it is white.
- > The colour of the b-core is blue, yellow, green, brown, black in repeating order as follows:

colour of b-core	Nr. of pair									
blue	1	6	11	16	21	26	31	36	41	46
yellow	2	7	12	17	22	27	32	37	42	47
green	3	8	13	18	23	28	33	38	43	48
brown	4	9	14	19	24	29	34	39	44	49
black	5	10	15	20	25	30	35	40	45	50
blue	51	56	61	66	71	76	81	86	91	96
yellow	52	57	62	67	72	77	82	87	92	97
green	53	58	63	68	73	78	83	88	93	98
brown	54	59	64	69	74	79	84	89	94	99
black	55	60	65	70	75	80	85	90	95	100

► 2. Colour coding for installation cables

JE-Y(St)Y... Bd JE-LiCY ... Bd JE-H(St)H ... Bd JE-LiHCH ... Bd RD-Y(St)Y AJ-Y(St)YDY Bd Si

For two-pair cable


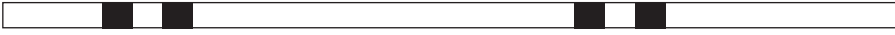


pair 1: a-blue, b-red
pair 2: a-grey, b-yellow

For cables with more than 2 pairs

Colour of basic insulation of pairs in one bunch:

Paar	1		2		3		4	
core	a	b	a	b	a	b	a	b
colour	blue	red	grey	yellow	green	brown	white	black

For identification of bunches, cores are marked with black rings and bunches are wrapped by a colored tape.

- > ring group I 
- > ring group II 
- > ring group III 
- > ring group IV 



Power cables
1 up to 30 kV

Building Wires

Flexible Cables

Telecommunication
Cables and Cords

Control and
Electronic Cable

Cable with
circuit integrity

Datenleitungen

Conductor ropes

Technical Appendix

according to VDE 0815

► Identification of bunches

Bunch-N°	Colour of rings	rings for bunches of		tape
		4 cores	8 cores resp. 4 pairs	
1	pink	I	I	-
2		I	II	-
3		II	III	-
4		II	IV	-
5	orange		I	-
6			II	-
7			III	-
8			IV	-
9	violet		I	-
10			II	-
11			III	-
12			IV	-
13	pink		I	blue
14			II	
15			III	
16			IV	
17	orange		I	red
18			II	
19			III	
20			IV	

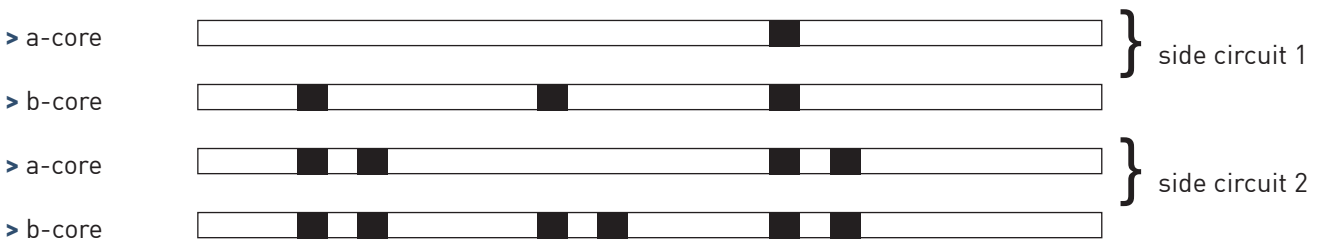
► 3. Colour coding for installation cables

J-YY ... Bd **J-H(St)H ... Bd** **J-2Y(St)Y St III Bd**

The five star-quads of each bunch have the following identification:

1. basic insulation of all cores rot
2. basic insulation of all cores green
3. basic insulation of all cores grey
4. basic insulation of all cores yellow
5. basic insulation of all cores white

The cores within one star-quad are marked by rings:



The counting bunch is marked by a red tape in each layer. All other bunches have a white or nature tape.

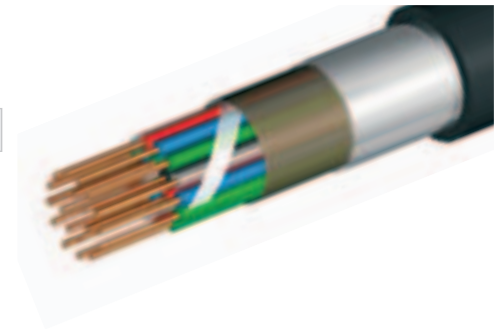
according to VDE 0816

► 4. Core identification for outdoor telephone cables

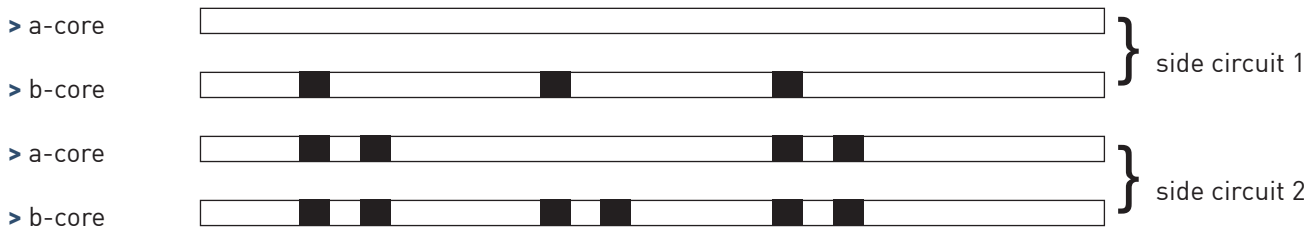
The five star-quads of each basic unit have the following identification:

- Quad 1. basic insulation of all cores red
- Quad 2. basic insulation of all cores green
- Quad 3. basic insulation of all cores grey
- Quad 4. basic insulation of all cores yellow
- Quad 5. basic insulation of all cores white

The basic insulation of spare quads is red.

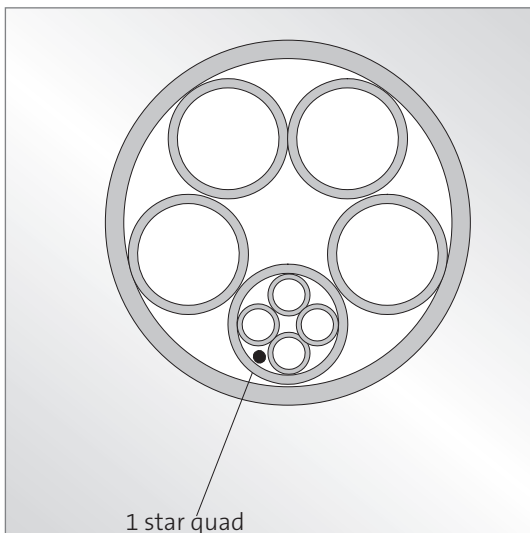


The cores within one star-quad are marked by rings:

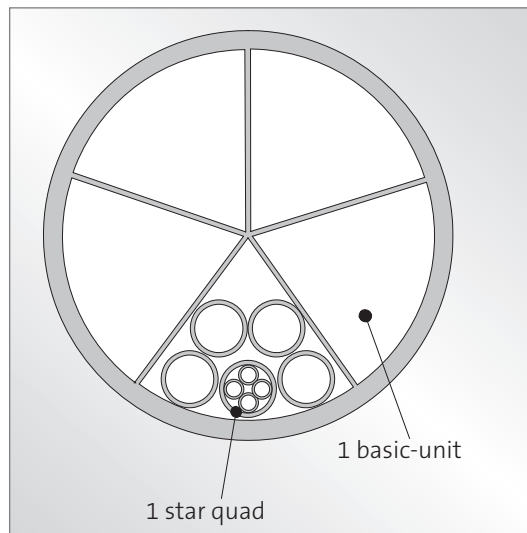


The first basic- or main-unit in each layer is to be marked by an open helix of plastic tape of red (marker). All other basic- or main-units must be wrapped with an open helix of white or uncoloured plastic tape. The quads of a basic-unit are to be counted according to the sequence of basic colours. In cables with more than 5 star quads, the basic- and main-units must be counted continuously beginning with marker-unit at inner layer towards outside.

► Examples for unit stranding:



> 5 star quads stranded into basic unit



> 5 basic units each stranded into one main unit = 50 D_A