

B04: Standard colour codes and lay-ups

Standard Colour Codes

Draka Denmark standard colour codes for loose tube optical Cable are basically a green/red pilot marker system.

The first tube is green and the last is red. The tubes in between are yellow for Cable with SM fibres (Single Mode)

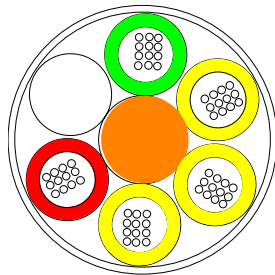
and white for Cable with MM (Multi Mode) fibres.

Hybrid Cable with both SM and MM fibres have first a green tube with SM fibres, then a number of yellow tubes with SM fibres, then a number of white tubes with MM fibres.

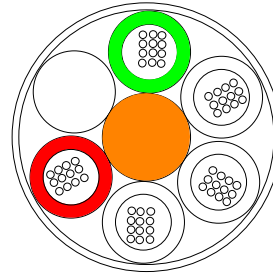
The last tube is a red tube with MM fibres.

Dummies are of natural colour (white). The dummies are located after the tubes with fibres.

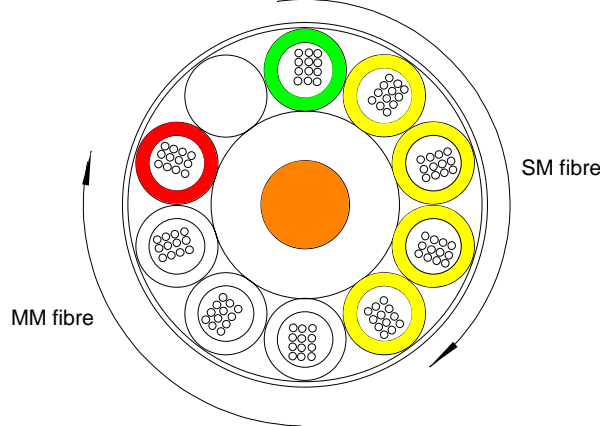
Cable with SM fibres



Cable with MM fibres



Hybrid cable





B04: Standard colour codes and lay-ups

Table 1: Cable with 4 fibres/tube: Lay-up of Cable with 4-24 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes	Number of white or yellow tubes	Number of red tubes	Number of dummies
4	6	1	0	0	5
8	6	1	0	1	4
12	6	1	1	1	3
16	6	1	2	1	2
20	6	1	3	1	1
24	6	1	4	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.

Table 2a: Cable with 6 fibres/tube: Lay-up of Cable with 6-84 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes	Number of white or yellow tubes	Number of red tubes	Number of dummies
6	6	1	0	0	5
12	6	1	0	1	4
18	6	1	1	1	3
24	6	1	2	1	2
30	6	1	3	1	1
36	6	1	4	1	0
42	8	1	5	1	1
48	8	1	6	1	0
54	10	1	7	1	1
60	10	1	8	1	0
66	12	1	9	1	1
72	12	1	10	1	0
78	14	1	11	1	1
84	14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.

Table 2b: Cable with 6 fibres/tube: Lay-up of Cable with 90-132 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes in the outer layer	Number of white or yellow tubes in the outer layer	Number of red tubes in the outer layer	Number of dummies
90	6+12	1	5	1	3
96	6+12	1	6	1	2
102	6+12	1	7	1	1
108	6+12	1	8	1	0
114	8+14	1	9	1	3
120	8+14	1	10	1	2
126	8+14	1	11	1	1
132	8+14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.



B04: Standard colour codes and lay-ups

Table 3a: Cable with 8 fibres/tube: Lay-up of Cable with 8-112 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes	Number of white or yellow tubes	Number of red tubes	Number of dummies
8	6	1	0	0	5
16	6	1	0	1	4
24	6	1	1	1	3
32	6	1	2	1	2
40	6	1	3	1	1
48	6	1	4	1	0
56	8	1	5	1	1
64	8	1	6	1	0
72	10	1	7	1	1
80	10	1	8	1	0
88	12	1	19	1	1
96	12	1	10	1	0
104	14	1	11	1	1
112	14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.

Table 3b: Cable with 8 fibres/tube: Lay-up of Cable with 120-176 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes in the outer layer	Number of white or yellow tubes in the outer layer	Number of red tubes in the outer layer	Number of dummies
120	6+12	1	5	1	3
128	6+12	1	6	1	2
136	6+12	1	7	1	1
144	6+12	1	8	1	0
152	8+14	1	9	1	3
160	8+14	1	10	1	2
168	8+14	1	11	1	1
176	8+14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.



B04: Standard colour codes and lay-ups

Table 4a: Cable with 12 fibres/tube: Lay-up of Cable with 12-168 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes	Number of white or yellow tubes	Number of red tubes	Number of dummies
12	6	1	0	0	5
24	6	1	0	1	4
36	6	1	1	1	3
48	6	1	2	1	2
60	6	1	3	1	1
72	6	1	4	1	0
84	8	1	5	1	1
96	8	1	6	1	0
108	10	1	7	1	1
120	10	1	8	1	0
132	12	1	19	1	1
144	12	1	10	1	0
156	14	1	11	1	1
168	14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.

Table 4b: Cable with 12 fibres/tube: Lay-up of Cable with 180-264 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes in the outer layer	Number of white or yellow tubes in the outer layer	Number of red tubes in the outer layer	Number of dummies
180	6+12	1	5	1	3
192	6+12	1	6	1	2
204	6+12	1	7	1	1
216	6+12	1	8	1	0
228	8+14	1	9	1	3
240	8+14	1	10	1	2
252	8+14	1	11	1	1
264	8+14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.



B04: Standard colour codes and lay-ups

Table 5a: Cable with 24 fibres/tube: Lay-up of Cable with 24-336 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes	Number of white or yellow tubes	Number of red tubes	Number of dummies
24	6	1	0	0	5
48	6	1	0	1	4
72	6	1	1	1	3
96	6	1	2	1	2
120	6	1	3	1	1
144	6	1	4	1	0
168	8	1	5	1	1
192	8	1	6	1	0
216	10	1	7	1	1
240	10	1	8	1	0
264	12	1	19	1	1
288	12	1	10	1	0
312	14	1	11	1	1
336	14	1	12	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes.

Table 5b: Cable with 24 fibres/tube: Lay-up of Cable with 360-864 fibres

Number of fibres in the cable	Number of elements (tubes + dummies)	Number of green tubes in the outer layer	Number of white or yellow tubes in the outer layer	Number of red tubes in the outer layer	Number of dummies
360	6+12	1	5	1	3
384	6+12	1	6	1	2
408	6+12	1	7	1	1
432	6+12	1	8	1	0
456	8+14	1	9	1	3
480	8+14	1	10	1	2
504	8+14	1	11	1	1
528	10+16	1	10	1	4
552	10+16	1	11	1	3
576	10+16	1	12	1	2
600	10+16	1	13	1	1
624	10+16	1	14	1	0
864	6+12+18	1	16	1	0

Note: Cable containing single mode fibres come with yellow tubes - cable containing multi mode fibres come with white tubes