

B04: Standard colour codes and lay-ups

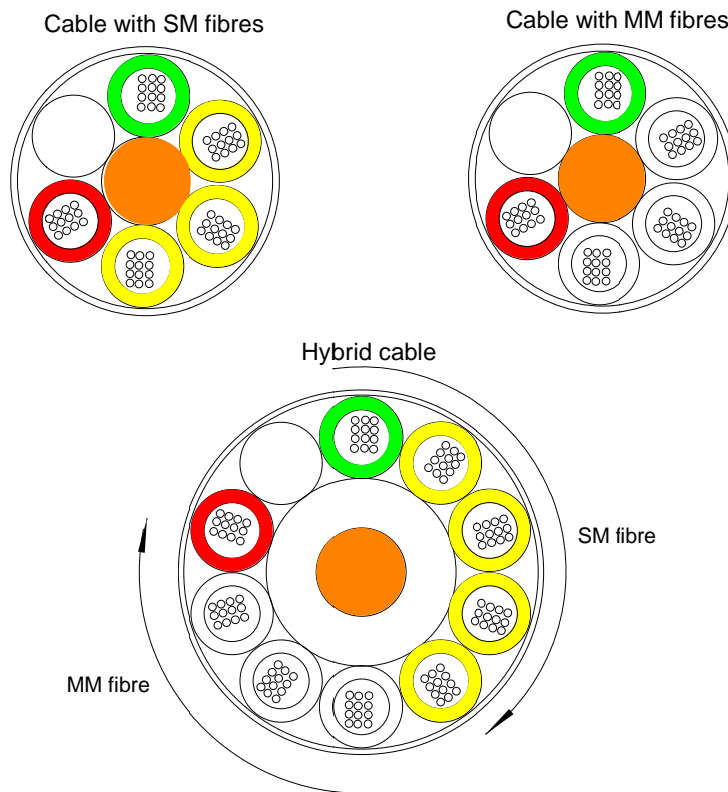
Standard Colour Codes, for OFC data com cables

The 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.



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.

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	10	1	0	0	9
16	10	1	0	1	8
24	10	1	1	1	7
32	10	1	2	1	6
40	10	1	3	1	5
48	10	1	4	1	4
56	10	1	5	1	3
64	10	1	6	1	2
72	10	1	7	1	1
80	10	1	8	1	0
88	12	1	9	1	0
96	12	1	10	1	0
104	12	1	11	1	0
112	12	1	12	1	0

B04: Standard colour codes and lay-ups

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