Prysmian Group

PRYSMIAN Draka

Color Code Guide For Fiber Optic Specifications

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

General Information

Prysmian uses the US industry standard repeating 12-color sequence. When cables go beyond 12 units, the colors repeat but use a stripe to distinguish units. Individual tubes containing 24 fibers have a blue and orange colored binder thread separating the two 12 fiber groups.

Unit Position Color Code for Loose Tube (TIA-598)

Position	Buffer Tube Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate (Gray)
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose (Pink)
12	Aqua

Position	Buffer Tube Color
13	Blue w/Black Stripe
14	Orange w/Black Stripe
15	Green w/Black Stripe
16	Brown w/Black Stripe
17	Slate w/Black Stripe
18	White w/Black Stripe
19	Red w/Black Stripe
20	Black w/Yellow Stripe
21	Yellow w/Black Stripe
22	Violet w/Black Stripe
23	Rose w/Black Stripe
24	Aqua w/Black Stripe

Position	Buffer Tube Color
25	Blue w/Red Stripe
26	Orange w/Red Stripe
27	Green w/Red Stripe
28	Brown w/Red Stripe
29	Slate w/Red Stripe
30	White w/Red Stripe
31	Red w/Yellow Stripe
32	Black w/Red Stripe
33	Yellow w/Red Stripe
34	Violet w/Red Stripe
35	Rose w/Red Stripe
36	Aqua w/Red Stripe
37	Blue w/Green Stripe
38	Orange w/Green Stripe

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ExpressLT™ Cable Designs

Fiber Count	Number of Tubes/Fillers	Number of Tube Layers	Number of Tube/Fillers in Each Layer	Fiber Position For Each Layer	Typical Fiber Overlength Factor
2 to 60	5	1	5	2 to 60	1.018
62 to 72	6	1	6	62 to 72	1.028
74 to 96	8	1	8	74 to 96	1.024
98 to 120	10	1	10	98 to 120	1.030
122 to 144	12	1	12	122 to 144	1.038
146 to 216	18	2	6	1 to 72	1.028
			12	73 to 216	1.038
228 to 264	22	2	8	1 to 96	1.024
			14	97 to 264	1.045
276 to 288	24	2	9	1 to 108	1.030
			15	109 to 288	1.049
300 to 360	30	2	12	1 to 144	1.038
			18	145 to 360	1.043
372 to 432	36	3	6	1 to 72	1.028
			12	73 to 216	1.038
			18	217 to 432	1.043

LT 2.0 Cable Designs

Fiber Count	Number of Tubes/Fillers	Number of Tube Layers	Number of Tube/Fillers in Each Layer	Fiber Position For Each Layer	Typical Fiber Overlength Factor
2 to 60	5	1	5	2 to 60	1.024
62 to 72	6	1	6	62 to 72	1.025
74 to 96	8	1	8	74 to 96	1.025
98 to 120	10	1	10	98 to 120	1.026
122 to 144	12	1	12	122 to 144	1.033
146 to 216	18	2	6	1 to 72	1.024
			12	73 to 216	1.033
228 to 264	22	2	8	1 to 96	1.025
			14	97 to 264	1.045
276 to 288	24	2	9	1 to 108	1.042
			15	109 to 288	1.061
300 to 372	30	2	13	1 to 156	1.050
			18	157 to 372	1.070
384 to 456	36	3	7	1 to 84	1.031
			13	85 to 240	1.050
			18	241 to 456	1.070

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Premise Jacket Color Code Guide

Fiber Optic Color Code for Jackets (TIA-598)

OM3/OM4
Interconect series, riser, plenum and LSZH

MMF - 62.5/50µm, OM1/OM2+
Interconect series, riser, plenum and LSZH

Single-Mode including Bend-Insenstive Fiber
Interconect series, riser, plenum and LSZH

Hybrid
Indoor-Outdoor Cables and Outside Plant Cable
All Fiber Types

Fiber Specifications

Fiber Class	Fiber Type	1 GbE Max. Distance 850nm / 1300nm	10 GbE Max. Distance 850nm / 1300nm	Bandwidth MHz-hm (OFL) 850nm / 1300nm	Indoor Cable Jacket Color
62.5 µm 200/500 MHz·km	OM1	275m/550m	36m/300m	200/500	
50 µm 700/500 MHz·km	OM2	550m/550m	82m/300m	1500/500	
50 µm 300	OM3	1000m/550m	300m/300m	1500/500	
50 µm 550	OM4	1100m/550m	550m/300m	3500/500	
Single-Mode	OS1 & OS2	5-40km @ 1310nm	10km @ 1310nm 40km @ 1550nm	N/A	
Bend-Insensitive Single-Mode Fiber	OS2	5-40km @ 1310nm	10km @ 1310nm 40km @ 1550nm	N/A	

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