

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	Position	Buffer Tube Color	Position	Buffer Tube Color
1	Blue	13	Blue w/Black Stripe	25	Blue w/Red Stripe
2	Orange	14	Orange w/Black Stripe	26	Orange w/Red Stripe
3	Green	15	Green w/Black Stripe	27	Green w/Red Stripe
4	Brown	16	Brown w/Black Stripe	28	Brown w/Red Stripe
5	Slate (Gray)	17	Slate w/Black Stripe	29	Slate w/Red Stripe
6	White	18	White w/Black Stripe	30	White w/Red Stripe
7	Red	19	Red w/Black Stripe	31	Red w/Yellow Stripe
8	Black	20	Black w/Yellow Stripe	32	Black w/Red Stripe
9	Yellow	21	Yellow w/Black Stripe	33	Yellow w/Red Stripe
10	Violet	22	Violet w/Black Stripe	34	Violet w/Red Stripe
11	Rose (Pink)	23	Rose w/Black Stripe	35	Rose w/Red Stripe
12	Aqua	24	Aqua w/Black Stripe	36	Aqua w/Red Stripe
				37	Blue w/Green Stripe
				38	Orange w/Green Stripe

Color Code Guide For Fiber Optic Specifications

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



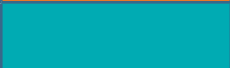
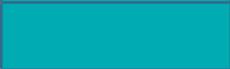


LT 2.0 Cable Designs

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

Premise Jacket Color Code Guide

Fiber Optic Color Code for Jackets (TIA-598)

-  OM3/OM4
Interconnect series, riser, plenum and LSZH
-  MMF - 62.5/50µm, OM1/OM2+
Interconnect series, riser, plenum and LSZH
-  Single-Mode including Bend-Insensitive Fiber
Interconnect 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	

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2014 All Right Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless specifically authorized by Prysmian Group. Issued May 2014.