

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.

For buffer tubes containing more than 12 fibers, there are two color schemes:

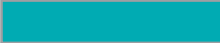



- Tubes with binder threads: A blue and orange thread binder is used to separate two groups of fibers. The blue unit has the first 12 fibers and the orange unit has the next 12 fibers. This sequence is used by UMH1A1J-24, MDS1JKT-24, and the LongSpan ADSS designs when 24 fibers per tube are specified.
- Tubes with 24 uniquely colored fibers: Fibers 1 to 12 use the standard blue through aqua color sequence. Fibers 13 to 24 use black dashes on the same 12 fiber color sequence except for fiber 20 which uses a black dash on a natural uncolored fiber. This sequence is used by the MDM1JKT-24 microduct cable family of products.

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

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	

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