

OSP Copper Cable

Pair and Binder Identification Colors

Pair Identification Colors

For pairs numbering 1 through 25, the pair identification colors are outlined below. In cable constructions containing more than 25-pair, the colors are repeated as necessary. Color coded binders are used to identify 25-pair groups of color coded pairs.

Pair Identification Colors		
Pair Number	Tip Color	Ring Color
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

Groups of Pairs Binder Identification Colors

For cables through 600-pair, 25-pair groups are identified by their binder colors in the same sequence as the pair identification is accomplished. Group 1 has White-Blue binders, Group 2 has White-Orange binders, etc. In this manner, each pair is uniquely identified. In cables having 25-pair or less, binders are normally not used. However, if specified, the binders will be Group 1, White-Blue. For cables of 100-pair or less, the use of the White binder is optional.

Groups of Pair Identification Colors			
Group Number	Group Pair Counts	Binder Colors	
1	1-25	White	Blue
2	26-50	White	Orange
3	51-75	White	Green
4	76-100	White	Brown
5	100-125	White	Slate
6	126-150	Red	Blue
7	151-175	Red	Orange
8	176-200	Red	Green
9	201-225	Red	Brown
10	226-250	Red	Slate
11	251-275	Black	Blue
12	276-300	Black	Orange
13	301-325	Black	Green
14	326-350	Black	Brown
15	351-375	Black	Slate
16	376-400	Yellow	Blue
17	401-425	Yellow	Orange
18	426-450	Yellow	Green
19	451-475	Yellow	Brown
20	476-500	Yellow	Slate
21	501-525	Violet	Blue
22	526-550	Violet	Orange
23	551-575	Violet	Green
24	576-600	Violet	Brown

Super-units Binder Identification Colors

It is desirable for manufacturing purposes to combine four 25-pair groups into “super units” when cables have 900-pair or more.

Super-units Binder Identification Colors		
Pair Number	Group Number	Binder Color
1-600	1-24	White
601-1,200*	25-48	Red
1,201-1,800*	49-72	Black
1,801-2,400*	73-96	Yellow
2,401-3,000*	97-120	Violet
3,001-3,600*	121-144	Blue
3,601-4,200*	145-168	Orange

**The above information is based on the Full Count binder color coding used in RDUP copper cable designs having 1,200-pair or more.*

TECH TIP

Bell Mirror Image binder color coding information and core lay-up diagrams are available online:

www.SPSX.com/techtip.aspx