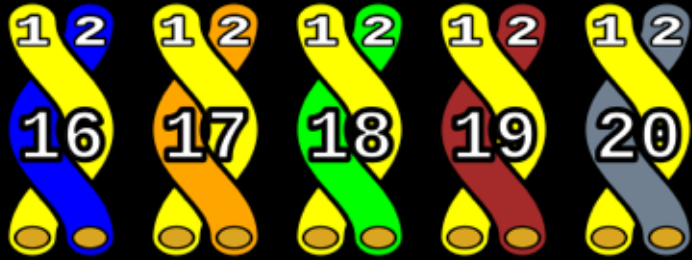
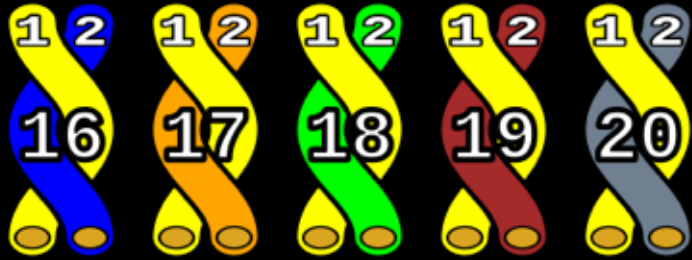
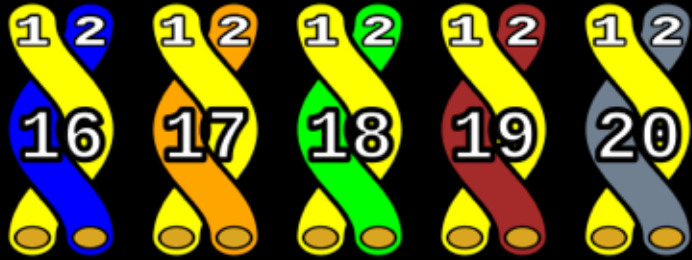
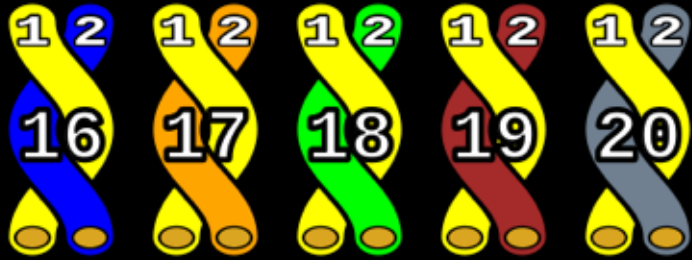
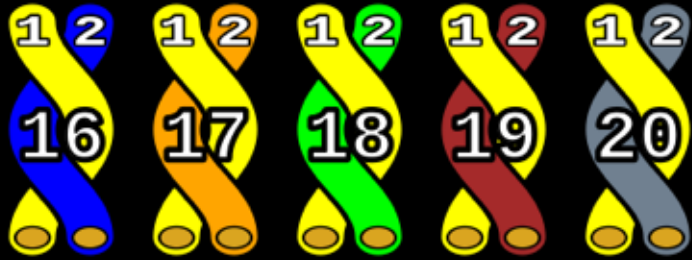


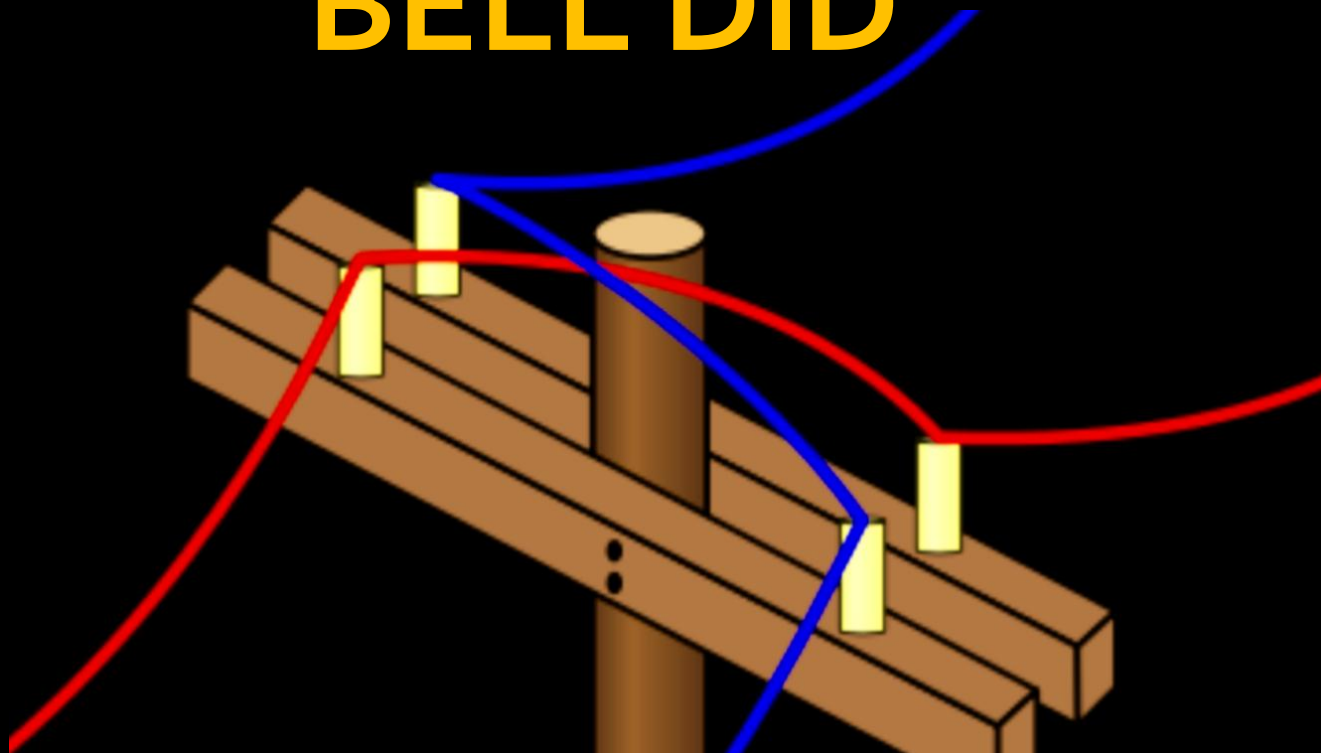
Cable Basics



WHO PUT THE TWIST IN THE TWISTED PAIR?

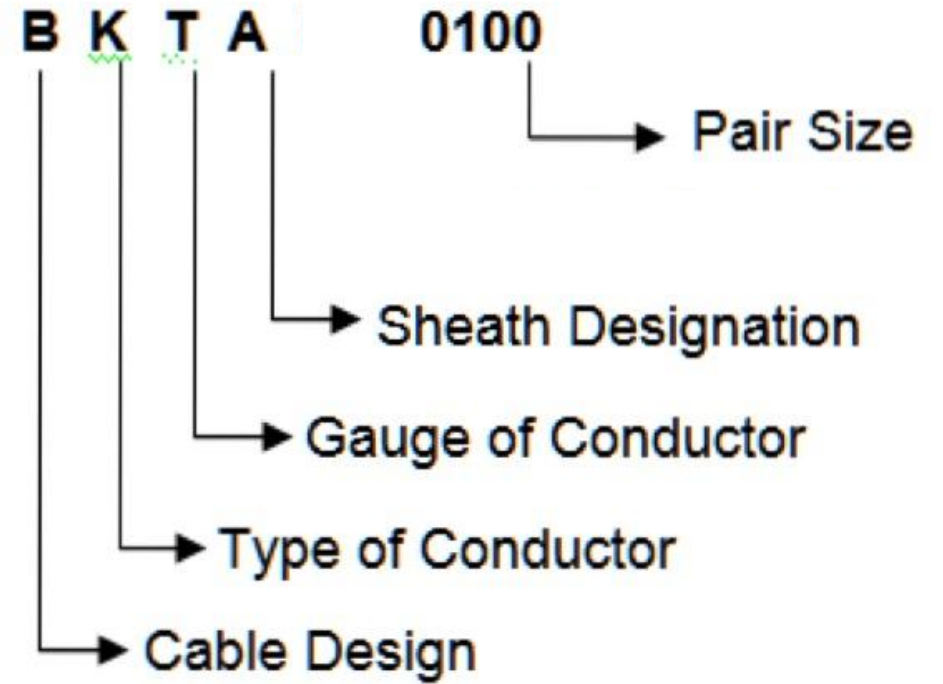


BELL DID



SEQUENCE OF STANDARDIZATION

BKTA-100



B

1st Letter	
Cable Design Type	
A	PIC Riser
B	PIC Air Core
C	Pulp, MUP, Pseudo-MUP, or High Potential Waterproof
D	DUCTPIC or Steampeth
G	Waterproof PIC
K	Screened Core
L	Low Capacitance
M	Low Capacitance Screened Core
N	Non-Color Coded
T	Terminating Cable (TIP), Tinned Conductors

B

K

2nd Letter	
Conductor Insulation	
B	PE-PVC (Polyethylene/Polyvinyl Chloride)
C	Dual Expanded Polyolefin - Air Core
D	Pulp and TUF PULP® Cable
E	Foam - Air Core

F	Dual Expanded Polyolefin-Core with FLEXGEL® Filling Compound
G	Solid Polyolefin-Core Filled with FLEXGEL® Filling Compound
H	Solid Polyolefin - Air Core (16-22 AWG)
J	Solid Polyolefin - Petroleum Jelly-Filled Core
K	Solid Polyolefin - Air Core (24-28 AWG)
L	Dual Expanded Polyolefin - Petroleum Jelly-Filled Core
M	Solid PIC with 80° C ETPR filling compound
N	DEPIC with 80° C ETPR filling compound (Foam skin)
R	XPE-PVC (Expanded Polyethylene/Polyvinyl Chloride)
S	Foam with 80° C filling compound

B
K
T

3rd Letter	
Gauge of Conductor	
H	16
B	19
A	22
M	24
T	26
W	28

B
K
T
A

4th Letter	
Sheath Designation	
A	Alpeth, Bare Aluminum
B	Cupeth, Non-Gopher resistant, Copper based
C	Stalpeth, Coated Aluminum
D	ASP, Coated Metallic Tapes
E	Polyjacketed Lead
G	PAP
H	PASP (Bonded or Non-Bonded)
L	Lead
M	Alvyn
N	Bonded STEAMPETH
P	Reinforced Self-Support
Q	Gopher resistant, Copper based
S	Self-Support
T	ARPAP
V	STEAMPETH
W	ASP, Bare Metallic Tapes, Filled
Y	ASP, Bonded, Filled
Z	ASP, Bonded, Stalpeth (Air Core)

FOUR-LETTER EXCHANGE CABLE CODE

FIRST LETTER	SECOND LETTER	THIRD LETTER		FOURTH LETTER	
SEQUENCE OF STANDARDIZATION	TYPE OF INSULATION	GAUGE	CONDUCTOR		TYPE OF SHEATH
			COPPER	ALUMINUM	
Alphabetic progression from A	A Reserved	13	J	-	A Alpeth
	B Polyethylene-	16	H	-	C Stalpeth
	Polyvinyl chloride	17	-	C	D Lepeth
	(PE-PVC)	19	B	-	Polyethylene -
	C Expanded Poly -	20	-	D	Jacketed Lead
	propylene	22	A	F	
	(propylex)	24	M	K	F Polyethylene -
	D Pulp	26	T	-	Jacketed
	E	28	W	-	Lepeth
	F Reserved				G PAP
	G				H PASP
	H Solid Polyethylene				J Tolpeth J
	J Solid Polypropylene				K Tolpeth K
	K Solid Polyethylene				L Lead
	L Dual Expanded				M Alyn
	Plastic (Depic)				N Stalvyn
					R ARPETH
					S Self-supporting
					T ARPAP
					U ARPASP
					W ASP

COLOR CODE



Pair Color



PAIR NUMBER	RING COLOR	TIP COLOR	PAIR NUMBER	RING COLOR	TIP COLOR
1	Blue	White	13	Green	Black
2	Orange	White	14	Brown	Black
3	Green	White	15	Slate	Black
4	Brown	White	16	Blue	Yellow
5	Slate	White	17	Orange	Yellow
6	Blue	Red	18	Green	Yellow
7	Orange	Red	19	Brown	Yellow
8	Green	Red	20	Slate	Yellow
9	Brown	Red	21	Blue	Violet
10	Slate	Red	22	Orange	Violet
11	Blue	Black	23	Green	Violet
12	Orange	Black	24	Brown	Violet
			25	Slate	Violet

Binder Color



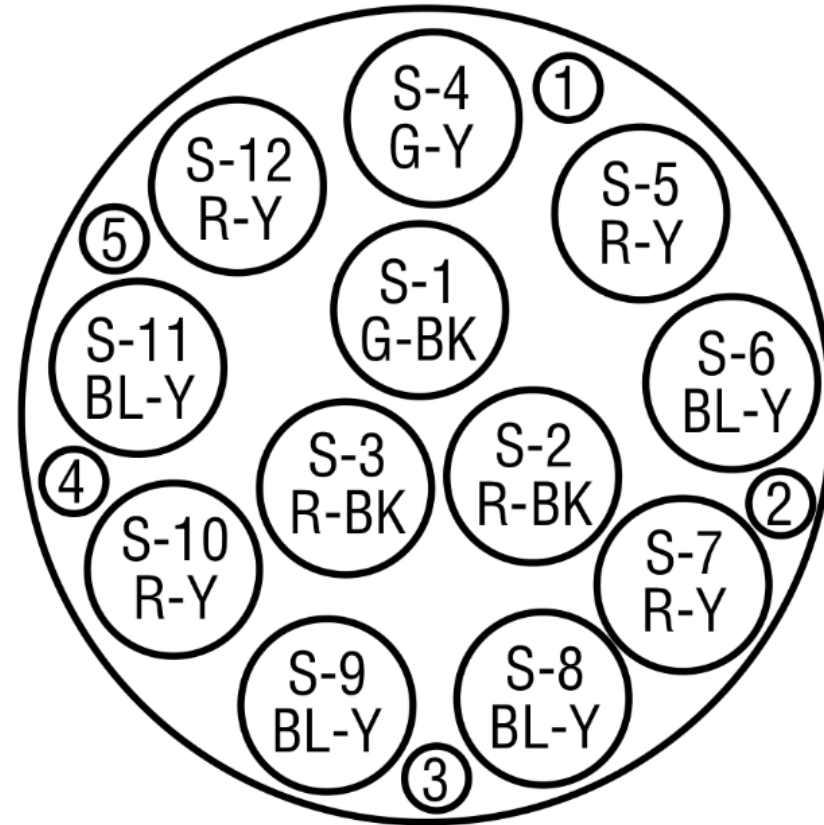
GROUP NUMBER	BINDER COLORS	PAIR RANGE
1	White - Blue	1 - 25
2	White - Orange	26 - 50
3	White - Green	51 - 75
4	White - Brown	76 - 100
5	White - Slate	101 - 125
6	Red - Blue	126 - 150
7	Red - Orange	151 - 175
8	Red - Green	176 - 200
9	Red - Brown	201 - 225
10	Red - Slate	226 - 250
11	Black - Blue	251 - 275
12	Black - Orange	276 - 300
13	Black - Green	301 - 325
14	Black - Brown	326 - 350
15	Black - Slate	351 - 375
16	Yellow - Blue	376 - 400
17	Yellow - Orange	401 - 425
18	Yellow - Green	426 - 450
19	Yellow - Brown	451 - 475
20	Yellow - Slate	476 - 500
21	Violet - Blue	501 - 525
22	Violet - Orange	526 - 550
23	Violet - Green	551 - 575
24	Violet - Brown	576 - 600



SUPER-UNIT BINDER COLORS FOR FULL COLOR CODE

S.U. BINDER COLOR	PAIR RANGE
White	1 - 600
Red	601 - 1200
Black	1201 - 1800
Yellow	1800 - 2400

Mirrored Cable



1200 PAIR



SPARE PAIRS FOR MIRROR IMAGE

PAIR NUMBER	PAIR COLORS
1	White - Red
2	White - Black
3	White - Yellow
4	White - Violet
5	Red - Black
6	Red - Yellow
7	Red - Violet
8	Black - Yellow
9	Black - Violet
10	Yellow - Violet
11	Blue - Orange
12	Blue - Green
13	Blue - Brown
14	Blue - Slate
15	Orange - Green

COLOR CODE FINDER

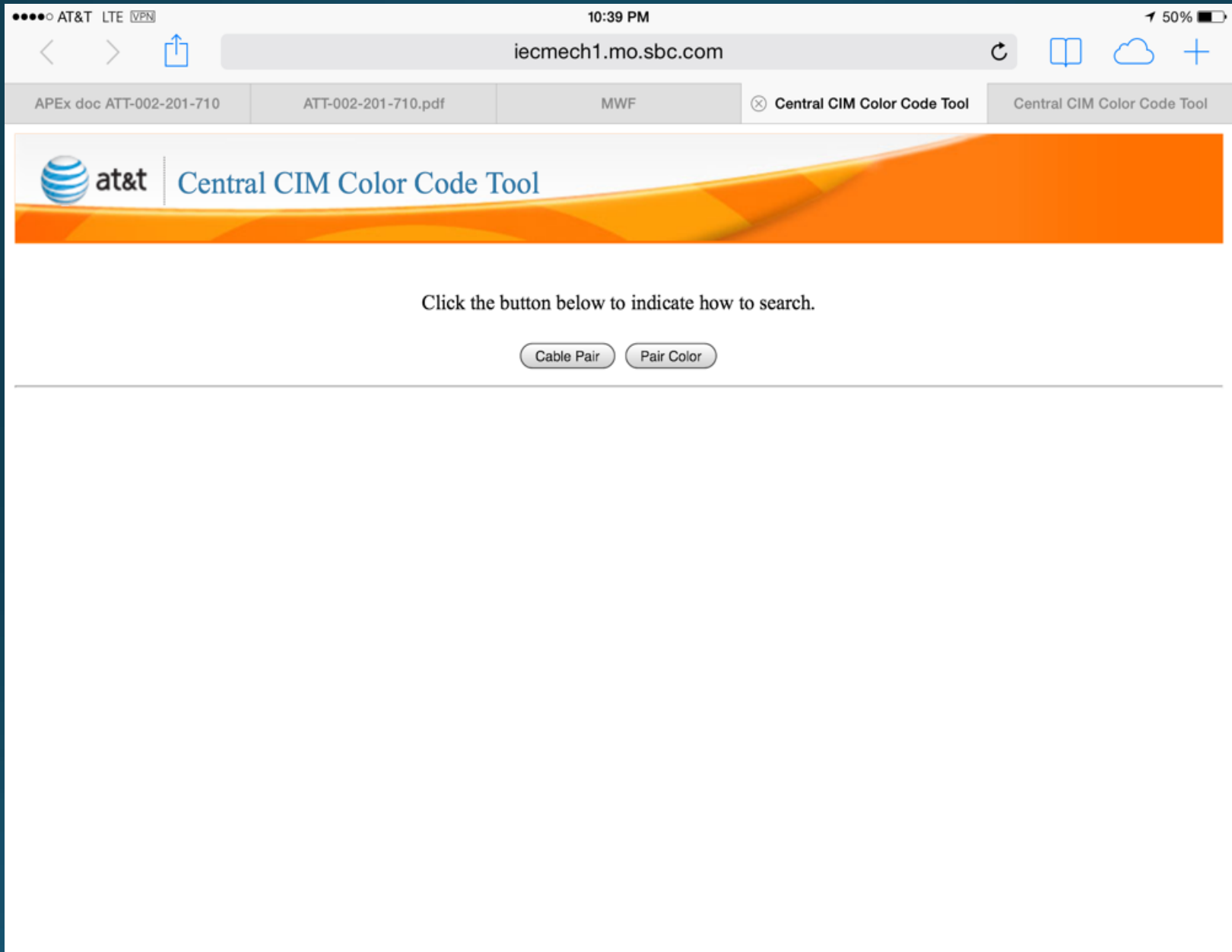


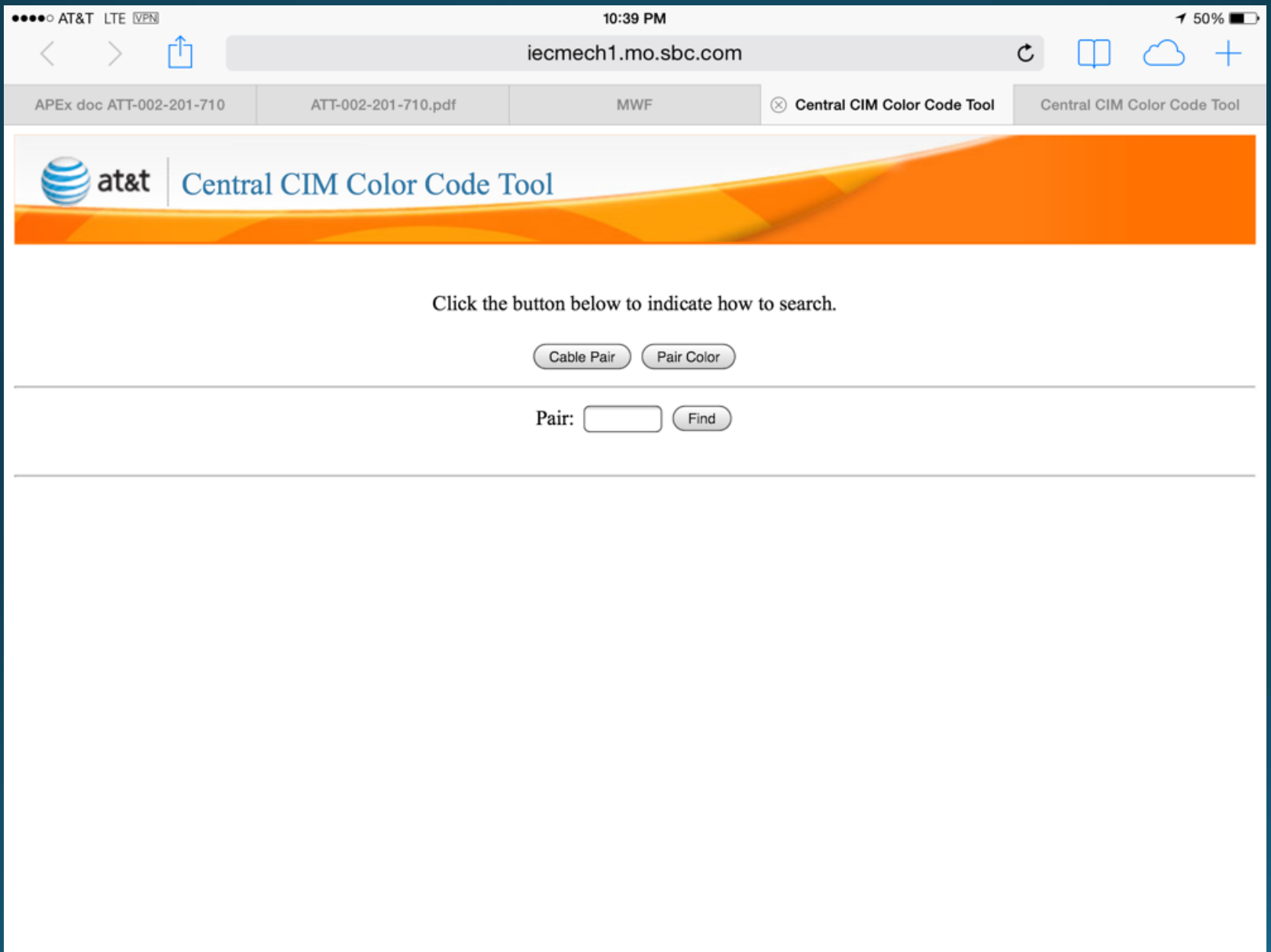
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sitelauncher.web.att.com

APEX doc ATT-002-201-710 ATT-002-201-710.pdf MWF Central CIM Color Code Tool

Category	SiteLauncher: Mobile Workforce
GCASWEB	BAN Look-up HTTP://UCONNECT.LNO.ATT.COM/INDEX.CFM
COMMON LINKS	Broadband Tools HTTP://BROADBAND.SBC.COM/INDEX.HTML
LSBBT	CAC HTTP://NSWEB2.SBC.COM/NSCAC/
> CIM	CIMPORTAL HTTPS://CIM.LNO.ATT.COM/
U-VERSE	Color Code Finder HTTP://IECMECH1.MO.SBC.COM:8890/COLORCODE.HTML
IDEVICE JOB AIDS	Core I/M Apps on iPad HTTP://SITELAUNCHER.WEB.ATT.COM/MWF/JOB AIDS/MWF SITELAUNCHER-COMPANY APPS.PDF
DWM CTI - CRAFT TER...	Dig It HTTP://SVCOPS NORTH.CIM.LNO.ATT.COM/DIG-IT/AMGR/MAIN.CFM
ATT LS VIDEO PORTAL	DSL CPE TP-Link Router HTTP://SITELAUNCHER.WEB.ATT.COM/MWF/JOB AIDS/TP-LINK PORTABLE ROUTER.PDF
	DSL CPE Warranty Lookup Tool HTTP://MOECAIXPROD4.ASI.SBC.COM/DASHBOARD/PROV/PORTAL/PORTAL.CGI










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 Central CIM Color Code Tool

Central CIM Color Code Tool

 **Central CIM Color Code Tool**

Click the button below to indicate how to search.

Cable Pair

Pair Color

Pair:

362

Find



Central CIM Color Code Tool

Click the button below to indicate how to search.

Pair:

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⌵ Central CIM Color Code Tool

Central CIM Color Code Tool

 Central CIM Color Code Tool

Click the button below to indicate how to search.

Cable Pair

Pair Color

Pair:

Find

Tip	Ring	Group Binder	Super Binder
BLACK	ORANGE	BLACK	SLATE
			WHITE



Central CIM Color Code Tool

Click the button below to indicate how to search.

Cable Pair


Pair Color

Tip	Ring	Group Binder		Super Binder
White ▾	Blue ▾	White ▾	Blue ▾	White ▾
				WHITE
<div>Find</div>				





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 Central CIM Color Code Tool

Central CIM Color Code Tool

 **Central CIM Color Code Tool**

Click the button below to indicate how to search.

Cable Pair

Pair Color

Tip	Ring	Group Binder		Super Binder
Red ▾	Brown ▾	Black ▾	Blue ▾	White ▾
RED	BROWN	BLACK	BLUE	WHITE
<div>Find</div>				

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Central CIM Color Code Tool

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Central CIM Color Code Tool

Click the button below to indicate how to search.

Cable Pair

Pair Color

Tip	Ring	Group Binder		Super Binder
Red	Brown	Black	Blue	White
RED	BROWN	BLACK	BLUE	WHITE
<div>Find</div>				

Pair: 259

COLOR CODE MNEMONICS

The major group colors can be remembered with the [mnemonics](#):

- For a 100 pair cable (i.e. the first four colors), "**Will Rosie Bite You?**"
- "**Why Run Backwards You Vomit**"^[3]
- "**Winchester Rifles Bring You Victory**"
- "**We Respect Beautiful Young Virgins**"
- A code used by AT&T (and later Lucent Technologies) installers is "**Wild Real Blondes Yell Violently**"

The minor group colors can be remembered with the mnemonics:

- "**BOG BruSh**" (This mnemonic is attributed^[citation needed] to a British radio engineer, "bog brush" being a colloquial British term for a [toilet brush](#).)
- "**Boy On Girl Brings Satisfaction**"
- "**Bell Operators Give Best Service**"
- "**Big Old Gorilla Breath Stinks**"
- "**Big Orangutans Give Brown Shits**"

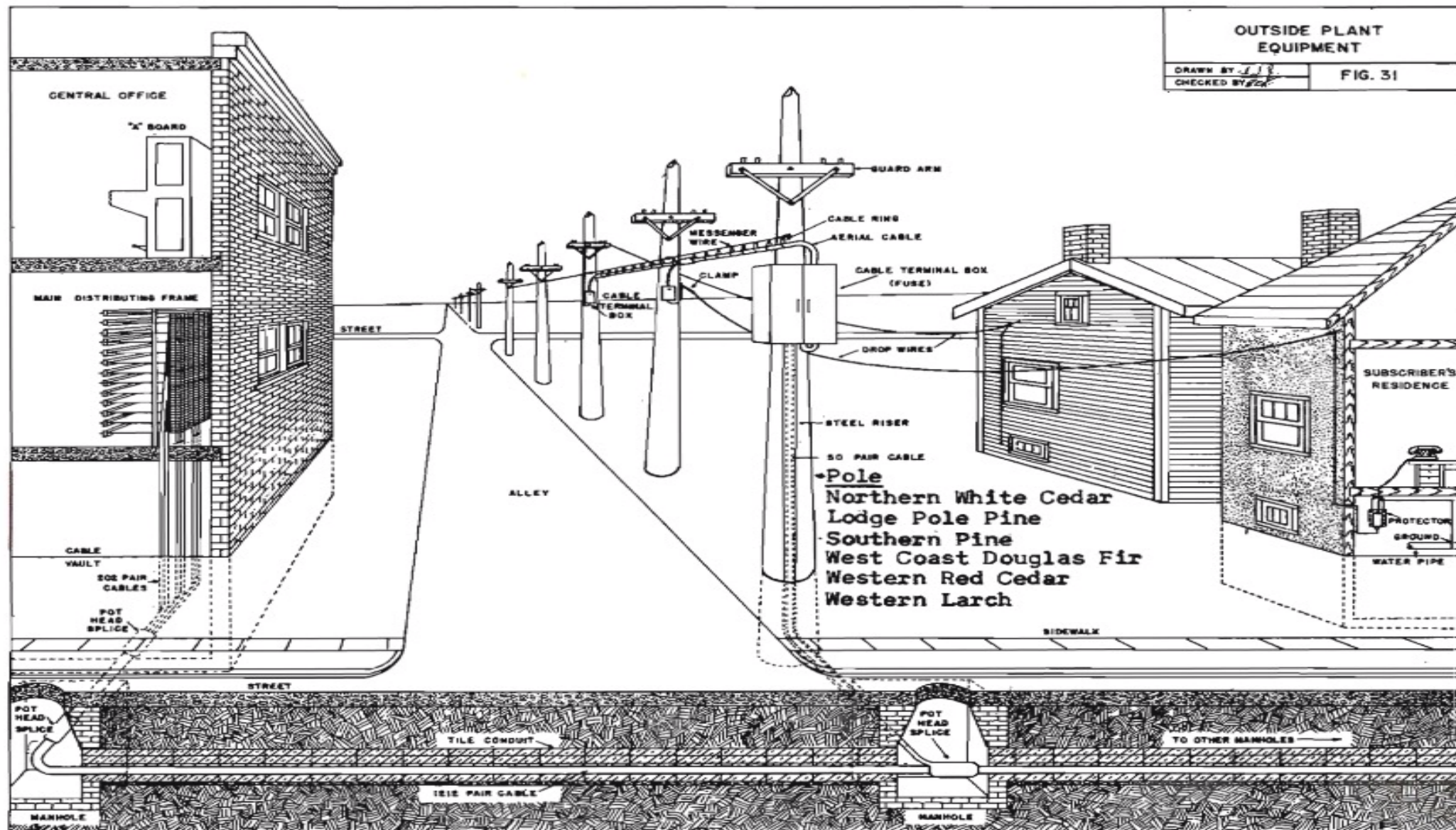
There is also a visual (language independent) mnemonic for the minor group colors. Imagine a sunset landscape top-down:

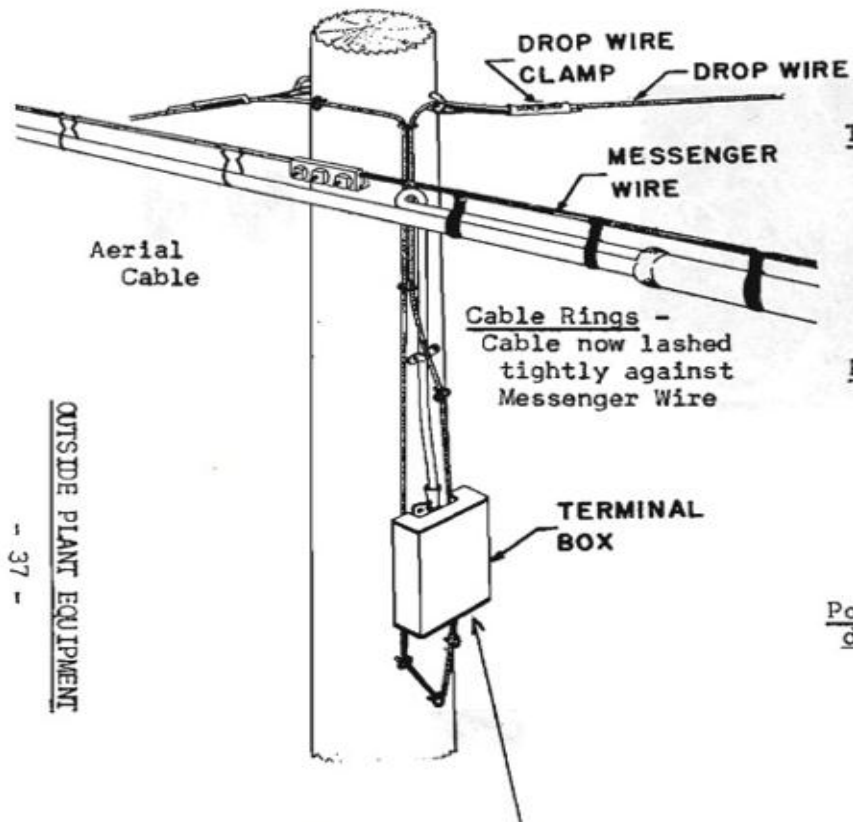
- The **blue** sky
- The **orange** sun
- The **green** forest
- The **brown** soil
- The **grey** bedrock

A mnemonic for both groups is "**We Ride Big Yellow Vans Because Old Guys Break Stuff**"

or "**Women Roast Bright Yellow Vegables But Old Guys Brown Steaks**"

OUTSIDE PLANT EQUIPMENT





OUTSIDE PLANT EQUIPMENT

- 37 -

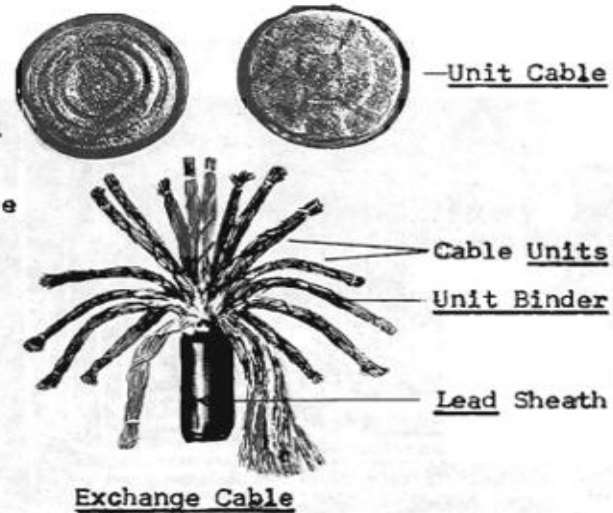


Cable Terminal (Later Type - Mounted on Cable instead of Pole.)

Concentric Cable—

Types of Exchange Cable
Lead Covered
Lepeth)
Alpeth) -From Core
Stalpeth) Outward.

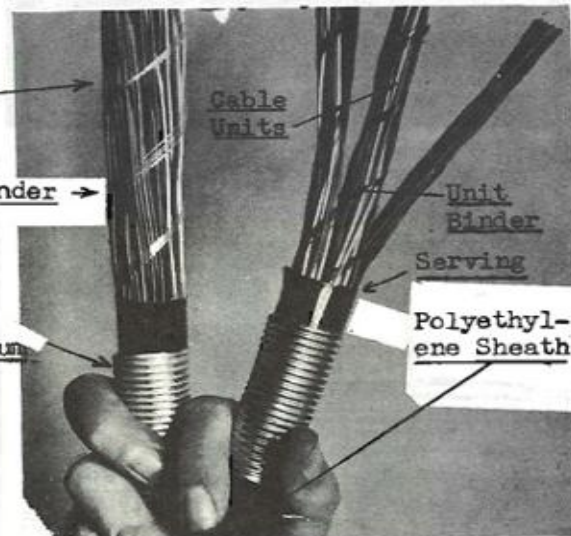
Al - Aluminum
Le - Lead
St - Steel
Peth - Polyethylene.



Polyethylene Conductor Insulation

Core Binder

Corrugated Steel or Aluminum Sheath



FIN