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BELL SYSTEM PRACTICES Station Installation and Maintenance SECTION C24.021 Issue 1, 9-1-31 Standard

STATION WIRING **SUPPLIES**

1. GENERAL

1.01 This section contains an alphabetical list of supplies required for the installation and maintenance of station wiring. The principal use for each item when not obvious from the name is also included.

2. SUPPLIES

Adapter:

Floor Outlet Adapter. A. T. & T. Co. Spec. 6375. (For use with floor outlet at end of

metal molding.)

Anchors:

3/16 inch x 7/8 inch Hammer Drive Ancher. (Attaching cable to masonry by means of a wire tie.)

6-8 x 3/4 inch Screw Anchor. (Attaching cable

clamp to masonry.)

6-8 x 1-1/2 inch Screw Anchor. (Attaching cable clamp to plaster on masonry or plaster block.)

10-14 x 1 inch Screw Anchor. (Attaching E and C bridle rings and cable straps to masonry.)

Blocks:

11A Connecting Block. (One pair.)

11B Connecting Block. (Same as 11A but has

metal cover.)

12E Connecting Block. (One triple.)

12F Connecting Block. (Same as 12E but has

metal cover.)

Belts:

1/8 inch x 4 inch Button Head Toggle Bolt. (Attaching cable to hollow tile, etc., by means of a wire tie.)

3/16 inch x 4 inch. Button Head Toggle Bolt. (Attaching fence batten or similar wood strip to hollow tile, etc.)

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STATION WIRING **SUPPLIES**

Bonding Ribbons:	Type L	Bonding Rill	obon. (Strappi ts of 6 type	ng consecu-
TTI SONO.	block			
			bbon. (Strapp)	ng consecu-
			of 30 and 31 ty	
	ing b	docks and G	type binding	post cham-
	bers.)		gpc mm.mg	P
Cable:			. (Lead-covere	ed cable with
	22-ga	uge tinned c	onductors.)	
			able. (Lead-co	
	with	22-gauge ena	imel-coated co	inductors.)
		Code No		No. of Pairs
		UA6 M	IUA6	6
		UA11 M	UA11	11
		-iTAT6 M	IUAI6	16
		UA21 M	UA21	21
		UA26 M	IUA26	26
	(Size)	Pair (Color)	Inside Wiring	Cable. Sizes :
			26 pair. Color	
	ivory.		1	
Clamps:	No. 5 (Color) Cable	Clamp. (Fast	ener for in-
w.xx	side	wiring cables	s up to 12-pa	ir.) Colors:
		i or ivory.		-,
		able Clamp.	(3/8 inch.)	
		able Clamp.		
		able Clamp.		
		Cable Clamp.		
	Station Ground Clamp. Ground Wire Clamp. (Fastener for wire on			
		desks.)	•	
Cleat:	Inside '	Wiring Cleat		
Conduit:	(Length) (Size) Enameled Rigid Steel Con-			
Conduit.	duit.	Sizes: 1/2 in	ich or 3/4 inch	
Cord:			ng subscriber	
Cora.			otels, etc., to	
	block		icicis, etc., to	
Fittings:			tal Molding F	itting or ap-
A iccings.			. (Fittings a	
		screws for fa		P. C. C.
	Code	Name	1)	se
		Cross	For runnii	
	334	CIOSS		
			directions	at right
	225	Tee	angles.	on in theman
	335	166	For runnin	g in three
			directions	at right
			angles.	

336	90° Flat Elbow	For making right angle turns on its flat.				
337	90° External	For making turn around				
551	Elbow	outside corner,				
338	90° Internal	For making turn around				
-	Elbow	inside corner.				
344-		Joining two or more				
	Coupling	lengths in a straight				
		line.				
345	Single	Fastener for one line of				
	Strap	molding.				
354	Double	Fastener for two lines				
	Strap	of molding.				
434	Single	Fastener for one line of				
	Strap	molding where only				
	with Base	one screw can be used				
	Plate	as a means of attach-				
40.0	75 11	ing.				
435	Double	Fastener for two lines				
	Strap	of molding where only				
	with Base Plate	one screw can be used as a means of attach-				
	Tate	•				
500	Bushing	ing. To protect wires from				
000	ridsiinig	abrasion at ends of				
		metal molding fit-				
		tings.				
(Size) National Conduit Bushing or approved						
(Size) National Conduit Bushing or approved equivalent. Sizes: 1/2 inch or 3/4 inch. Floor Outlet. A. T. & T. Co. Spec. 6375. (Fit-						
Floo	Floor Outlet. A. T. & T. Co. Spec. 6375. (Fit-					
ting for use where wire passes through wood						
floor or as end fitting with metal molding.)						
Floor Outlet Gasket. A. T. & T. Co. Spec.						
637	6375. (For use with floor outlet where wire					
passes through wood floor.)						
No. 1 Binding Post Insulator. (Protecting spe-						
cial service lines.) Fits over 3/8 inch lock-						
nuts.						
No. 2 Binding Post Insulator. (Protecting spe-						
cial service lines.) Fits over 7/16 inch lock-						
nuts.						
C Knob. (Split knob.)						
No. 333 National Metal Molding or approved						
equivalent. (For encasing wires run on floor						
from baseboard to desk, etc.) Dimensions						
31/32 inch wide x $7/16$ inch high x 8 ft. 4						
inches long.						
	•					

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Knob: Molding:

Gasket:

Insulators:

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STATION WIRING SUPPLIES

Nails: 1/2 inch (Color) Inside Wiring Nail. Colors: brown or ivory. 7/8 inch (Color) Inside Wiring Nail. Colors: brown or ivery. 1 inch No. 12 Roofing Nail. (Attaching cable clamp to metal sheathing.) 40 Cut Nail. (Attaching cable to cinder concrete by means of wire tie.) 4D Finishing Nail. Also known as 1-1/2 inch No. 15 Common Brad. (Attaching molding to supporting surface.) 6D Slating Nail. (Attaching wire to plaster block by means of wire tie.) Nut: No. 8-32 Brass Nut, P-80135. (Holding fibre washers on two-post connecting block in outlet box.) 1/2 inch Drive Ring. (Attaching wire in cel-Rings: lars, factories, storerooms, etc.) E Bridle Ring. (Attaching wire to masonry or plaster on masonry.) Diameter of ring 5/8 inch; shank has 10-gauge wood thread. **C** Bridle Ring. (Attaching wire to masonry or plaster on masonry.) Diameter of ring 1-1/4 inch; shank has 14-gauge wood thread. M Bridle Ring. (Attaching wire to angle iron or I beam.) Diameter of ring 1-1/4 inch; shank has 10-24 machine thread. Toggle Bridle Ring. (Attaching wire to plaster on hollow tile.) Screws: (Length) No. 8 R.H. Blued Wood Screw.

Lengths: 3/4 inch, 1 inch, 1-1/2 inch, 2 inch or 2-1/2 inch. (Length) No. 8 F.H. Bright Wood Screw.

Lengths: 1 inch, 1-1/2 inch or 2 inch.

5/8 inch No. 8 Type Z Self-Tapping Screw. Parker-Kalon or approved equivalent. (Attaching ground wire clamps and cable clamps to metal desks.)

1 inch No. 8-32 R.H. Brass Mach. Screw. (Attaching fibre washers to two-post connecting block where 609 cord is terminated.)

1-1/4 inch No. 14 F.H. Bright Wood Screw. (Attaching floor outlet to wood floors.)

Screw Eyes:

Screw Eye, P-23582. (Fastener for cord stay hook where connecting block is not equipped with eye.)

(Size) S Insulated Screw Eye. (Attaching line wires on wood or metal sheathing on wood at exposed stations.) Sizes: 5/8 inch or 1 inch. (Size) L Insulated Screw Eye. (Attaching line wires to plaster on wood lath or plaster board, etc., at exposed stations.) Sizes: 5/8 inch or 1 inch. Sleeves: 625 Copper Sleeve. (Splicing 22-gauge inside or duct wire.) **032 Copper Sleeve.** (Splicing 20-gauge wire.) 036 x 625 Copper Sleeve. (Splicing 22-gauge inside or duct wire to 19-gauge or 20-gauge bridle wire.) No. 16 Tinned Single Tube Copper Sleave. (Repairing opens in inside, bridle or duct wire.) 5/32 inch x 3-1/4 inch Prepared Cotton Sleeve. (Insulating wire joints in cable splices.) Solder: Rosin Core Solder. (Soldering wire joints in cable splices.) No. 13 Cable Strap. (Attaching 1/2 inch con-Straps: duit or pipe to supporting surface.) No. 16 Cable Strap. (Attaching 3/4 inch conduit or pipe to supporting surface.) No. 595 Universal Insulator Support. (Attach-Support: ing M bridle ring to I beam, angle iron, etc.) Tag: Form E-1162 or approved equivalent, 1-3/8 inch \times 2-3/4 inch plain designation tag with string. Tape: 3/4 inch (Color) Friction Tape. Colors: black or ivory. 3/4 inch Rubber Tape. 2 inch Black Friction Tape. (Wrapping handmade cable of duct wire.) Tubes: (Size) x (Length) Porcelain Tube. Sizes: 3/8 inch, 3/4 inch or 1 inch. Lengths: 6 inch or 8 inch. (Size) x (Length) Split Porcelain Tube. Sizes: 3/8 inch, 3/4 inch or 1 inch. Lengths: 6 inch or 8 inch. (Use split tubes in accordance with local instructions.) Twine: No. 12 Waxed Twine. (Splicing lead-covered cable.) Washer: 3/16 inch x 1-1/2 inch Fibre Washer. (Cover for two-post connecting block where used to terminate 609 cord.) C24.021 STATION WIRING Page 5 SUPPLIES

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Wire:

Lashing Wire.
(Conductors) (Color) Inside Wire. Conductors: single, pair, triple or quad. Colors: brown or ivory.

(Conductors) Duct Wire. Conductors: single,

pair or triple.
E-22-P Distributing Frame Wire.
No. 14 Ground Wire.