

WIRE TYPES

NO. 5 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers wire types (types of insulation and gauge) to be used on No. 5 crossbar frames for surface wiring, strapping, loose wiring, and cross-connections.

1.02 This section is reissued to reflect the replacement of the U22 type wire with DT22 type on distributing frames. Detailed requirements for skinning and terminating these wire types are covered in sections in Division 069.

This issue does not affect Equipment Test Lists.

2. WIRE TYPES AND THEIR USE

2.01 Surface Wiring: Use 24BW on all frames.

2.02 Loose Wiring: Use 24BW on all frames *not* arranged for solderless wrapped connections. Use 24BU on all frames arranged for solderless wrapped connections, except where the wiring is dressed in a manner similar to surface wiring use 24BW.

2.03 Strapping Terminals

Not Arranged for Solderless Wrapped Connections:

- (a) Crossbar switch and multicontact relay use 22J between select magnets, adjacent hold

magnets, and adjacent relay magnets. In all other cases use 24BW.

- (b) ***Bare wire:*** Use 22-gauge bare.

- (c) ***Banjo wiring:*** Use 20-gauge bare.

Arranged For Solderless Wrapped Connections:

- (a) Crossbar switch and multicontact relay use 24BU in all cases, except where the connection is to be soldered used 24BW.

- (b) ***Bare wire:*** Use 22-gauge bare.

- (c) ***Banjo wiring:*** Use 20-gauge bare.

2.04 *Cross-Connections:* Table A lists wire types to be used for cross-connections. Column A specifies wire types for frames equipped with terminal strips not arranged for solderless wrapped connections. Column B specifies wire types for frames equipped with terminal strips arranged for solderless wrapped connections made with the appropriate wrapping tool. Listing of wire types within a column in this manner, "22 DP/22BW" indicates that either 22DP or 22BW wire may be used for the particular application.

TABLE A

WIRE TYPES FOR CROSS CONNECTIONS			
Col. A — Frames <i>Not</i> Arranged For Solderless Wrapped Connections		Col. B — Frames Arranged For Solderless Wrapped Connections	
EQUIPMENT		A	B
FRAMES	TYPE		
Marker	All Types	22DP/22BW	24BU
Link	Line Link	22DP/22BW	24BU
	Trunk Link	22DP/22BW	24BU
	Incoming Register Link	22DP/22BW	24BU
	Coin Supervisory Link	22DP/22BW	24BU
	Out Sender Link	22DP/22BW	24BW
Connector	Trunk Line Conn.	22DP/22BW	24BU
	Out Sender Conn.	22DP/22BW	24BU
Register	Originating	22DP/22BW	24BW/24BG
	Incoming Revertive Pulse	22DP/22BW	24BU
	Incoming Dial Pulse	22DP/22BW	24BU
	Incoming Multifrequency	22DP/22BW	24BW/24BG
	Incoming Tandem Revertive	22DP/22BW	24BU
Sender	Dial Pulse	22DP/22BW	24BW/24BG
	Multifrequency	22DP/22BW	24BU/24BG
Number Group	All Types	22DP/22BW	24BU
Pretranslator	All	22DP/22BW	24BU
Junctor Grouping	Main and Supplemental	22BW/22U	22BW/22U
Foreign Area Translator	All	22DP/22BW	22DP
Traffic Register	All	22DP/22BW	24BU
Timing	Permanent Signal & Coin Supervisory	22DP/22BW	
Office Interrupter	All	22DP/22BW	24BU
PBX Allotter	U & Y	22DP/22BW	
Permanent Signal Alarm	All	22DP/22BW	
Relay Rack	Trunk	22DP/22BW	24BU

TABLE A (Cont)

WIRE TYPES FOR CROSS CONNECTIONS			
		Col. A — Frames <i>Not</i> Arranged For Solderless Wrapped Connections	
		Col. B — Frames Arranged For Solderless Wrapped Connections	
EQUIPMENT		A	B
FRAMES	TYPE		
AMA and CAMA	Transverters All Types Translator CAMA Billing Indexer	24BU 22DP	24BU 22DP 22DP
Test	All Types	22DP/22BW	24BU
Main Distributing	Subscriber & Trunk	22DT	22DT
	PBX Battery Feeders	U20	U20
	PBX Generator Feeders	22DT	22DT
	TWP & TWX	U20	U20
	Carrier	BF	BF

Note: Where the wire type or types are shown in only one column only one type of cross-connection terminal is furnished.