

**SCREENED, AIR CORE, AND WATERPROOF
PLASTIC-INSULATED CONDUCTOR CABLE
DESCRIPTION, USE, AND REEL LENGTHS
NONSTANDARD/LIMITED AVAILABILITY (NS/LA)**

CONTENTS	PAGE
1. GENERAL	1
2. DESCRIPTION	2
CONDUCTORS	2
KHA CABLES (AIR CORE)	3
KJA CABLES (WATERPROOF)	5
KLB AND KLA CABLES (WATERPROOF)	7
3. USE	7
4. ELECTRICAL CHARACTERISTICS	7
5. PHYSICAL CHARACTERISTICS AND REEL LENGTHS	9
GENERAL	9
CABLE SHIPPING LENGTH POLICY	10
REEL LENGTH DATA	11

Several considerations of this rating are:

- (1) *The factories will retain manufacturing specifications.*
- (2) *The operating companies will be able to obtain these cables—but not as a standard.*

Note: KH-, KJ-, and KL-series with service pairs are available substitutes. However, the recommended replacement cables for the KH-, KJ-, and KL-series cables for T1, T1C, and T1/OS applications are MAT* and ICOT*.

1.02 When this section is reissued, the reason for reissue will be in this paragraph.

1.03 *Special Terms and Their Meanings:*

- *Air Core*—Air spaces surround the insulated pairs in the cable core
- *Waterproof Core*—A filling compound is injected into all spaces in the cable core not occupied by the insulated pairs. The compound wets the conductor insulation well enough to prevent interfacial penetration of water. The compound contains an antioxidant which ensures retention of the desirable characteristics for many years. (For more detailed information, see Section 626-101-010.)
- *PIC*—Acronym, meaning *Plastic Insulated Conductors*
- *DEPIC*—Acronym, meaning *Dual Expanded Plastic Insulated Conductors*

1. GENERAL

1.01 This section covers the description, use, and reel length information of screened KH-series (air core) and KJ- and KL-series (waterproof) plastic-insulated cables without service pairs which are rated NS/LA.



A rating of NS/LA is assigned to cables which are not recommended for use in new installations. They may be used for additions to, or maintenance of, existing systems.

*Registered Trademark of Western Electric Co.

NOTICE

Not for use or disclosure outside the Bell System except under written agreement

SECTION 626-800-095

1.04 KH-, KJ-, and KL-series cables are coded in accordance with the letter codes provided in Section 626-020-011.

1.05 A detailed description, selection, and use of plastic sheaths and outer protections are covered in Sections 626-020-020 and 626-759-025, respectively.

1.06 Splicing PIC and DEPIC Cables:
This information is given in Section 632-032-201 (nonscreened) and in Section 640-010-005 (screened).

2. DESCRIPTION

CONDUCTORS

2.01 The conductors of KH-, KJ-, and KL-series cables are **annealed copper** and are insulated with plastic on the gauge wires shown in Table A.

TABLE A

CABLE CODES AND WIRE GAUGE

CODE	CONDUCTOR MATERIAL AND GAUGE	INSULATION
<i>Air Core</i> KHA	22	Solid PIC
<i>Waterproof</i> KJA	22	Solid PIC
KLB	19	DEPIC
KLA	22	DEPIC

2.02 Solid PIC: This material is a continuous layer of colored solid plastic extruded over the wire. Solid PIC insulation for air core cables is a thinner insulation than used on waterproof PIC cables.

2.03 DEPIC: Dual expanded plastic insulation is a two-layer structure—an inner layer of white foam plastic and an outer skin layer of colored solid plastic. The foam layer conserves plastic and also allows a smaller core diameter. DEPIC can be identified by slicing away the colored plastic skin to expose the white foam layer. The cables are also identified by code marking on the sheath.

2.04 Wire Color Code: The insulation on all pairs in screened KH-, KJ-, and KL-series air core or waterproof cables is PIC color coded in accordance with Bell System Cable and Wire Color Code Rule Form E-4911. For details see Section 626-101-005.

2.05 Binder Group Color Code: This follows the same sequence as the pair color code (white-blue, white-orange, white-green, etc), but for clarity the binder group color code designations in the figures are reversed (blue-white, orange-white, green-white, etc).

2.06 Conductor Defects: In order for the PIC color code to be used to the best advantage in the field, **no** shorts, crosses, grounds, or opens are permitted in NS/LA, screened, PIC or DEPIC cables as shipped from the factory.

2.07 Core Binders: The Western Electric Company, Inc, facility where PIC and DEPIC cables are manufactured can be identified by the color combination of the core binder as follows:

PLANT	COLOR COMBINATION
Atlanta	Red-Red
Baltimore	Brown-Brown
Hawthorne	Black-Black
Omaha	White-Yellow or Yellow-Yellow
Phoenix	White-White

KHA CABLES (AIR CORE)

2.08 KHA Cable Core Lay-Ups: The NS/LA pair sizes and core lay-ups of air core PIC screened cables are illustrated in Fig. 1.

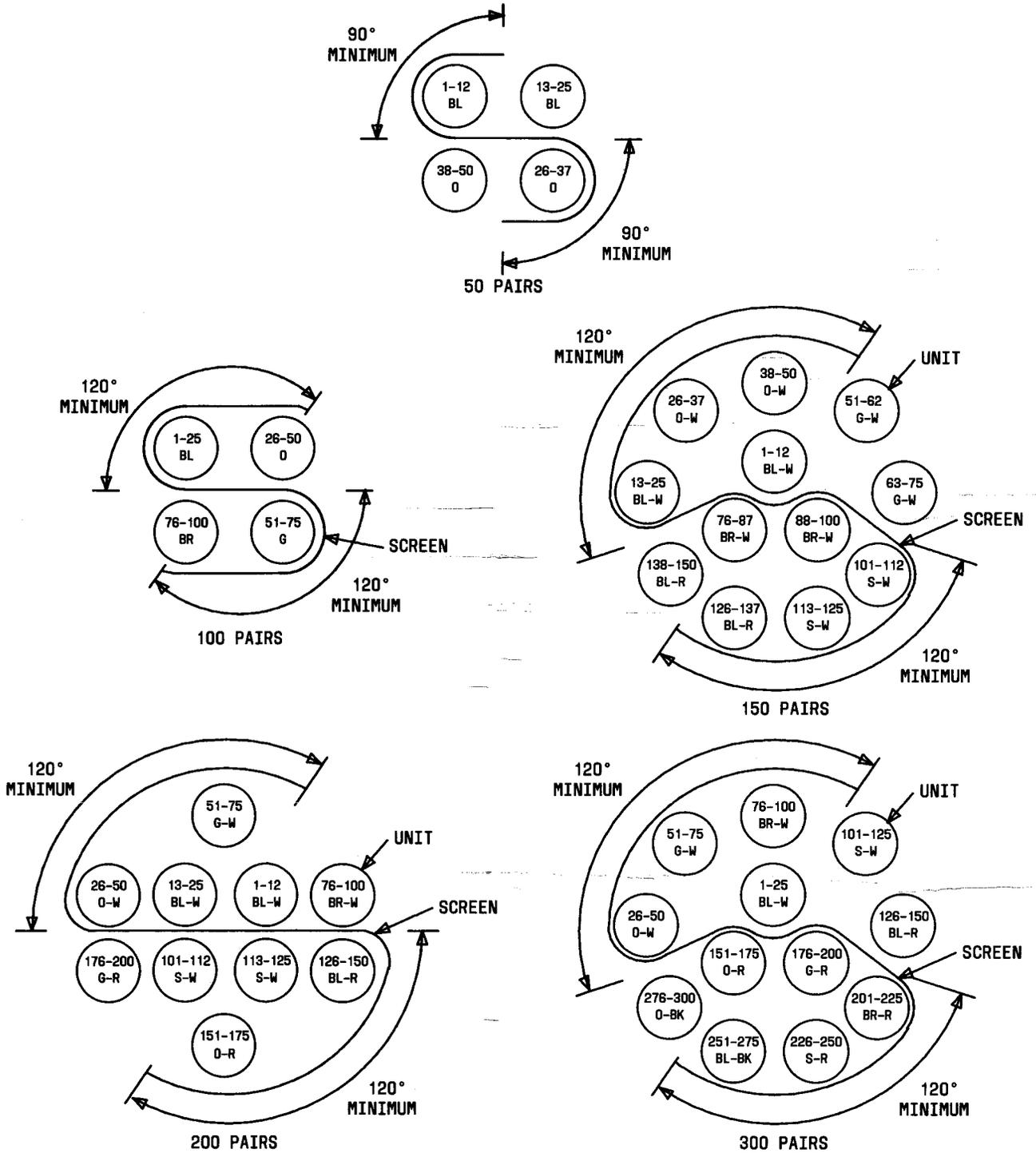
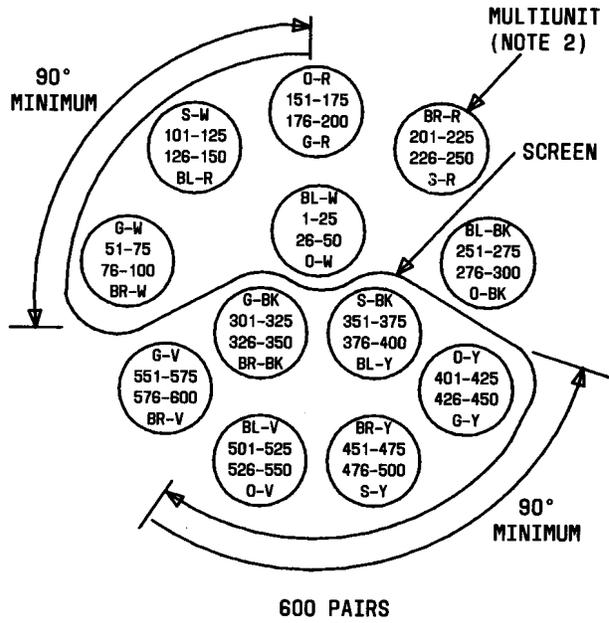
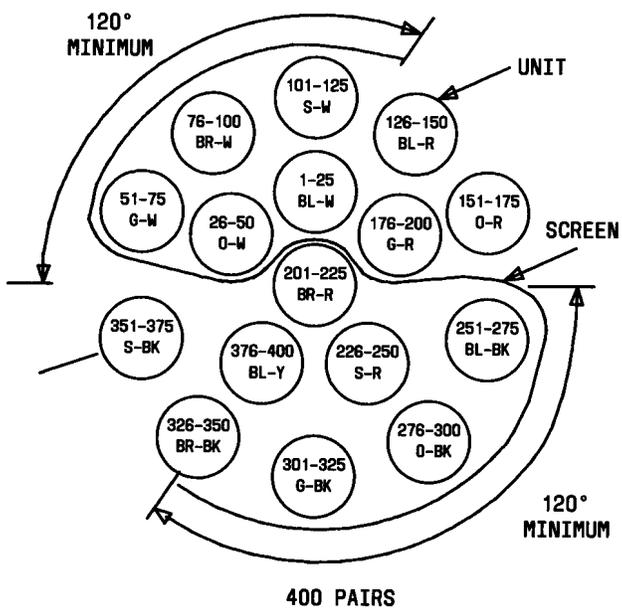


Fig. 1—Air Core PIC Screened Cables 50 Through 300 Pairs (Sheet 1 of 2)



- NOTES:
1. CLOCKWISE PAIR COUNTING SEQUENCE IS SHOWN IN ILLUSTRATIONS.
 2. MULTIUNIT BINDERS ARE WHITE.

-KEY-

BL = BLUE	W = WHITE
O = ORANGE	R = RED
G = GREEN	BK = BLACK
BR = BROWN	Y = YELLOW
S = SLATE	V = VIOLET

Fig. 1—Air Core PIC Screened Cable 400 Through 600 Pairs (Sheet 2 of 2)

KJA CABLES (WATERPROOF)

2.09 KJA Cable Core Lay-Ups: Figure 2 illustrates the NS/LA pair sizes and core lay-ups of waterproof *PIC* screened cables.

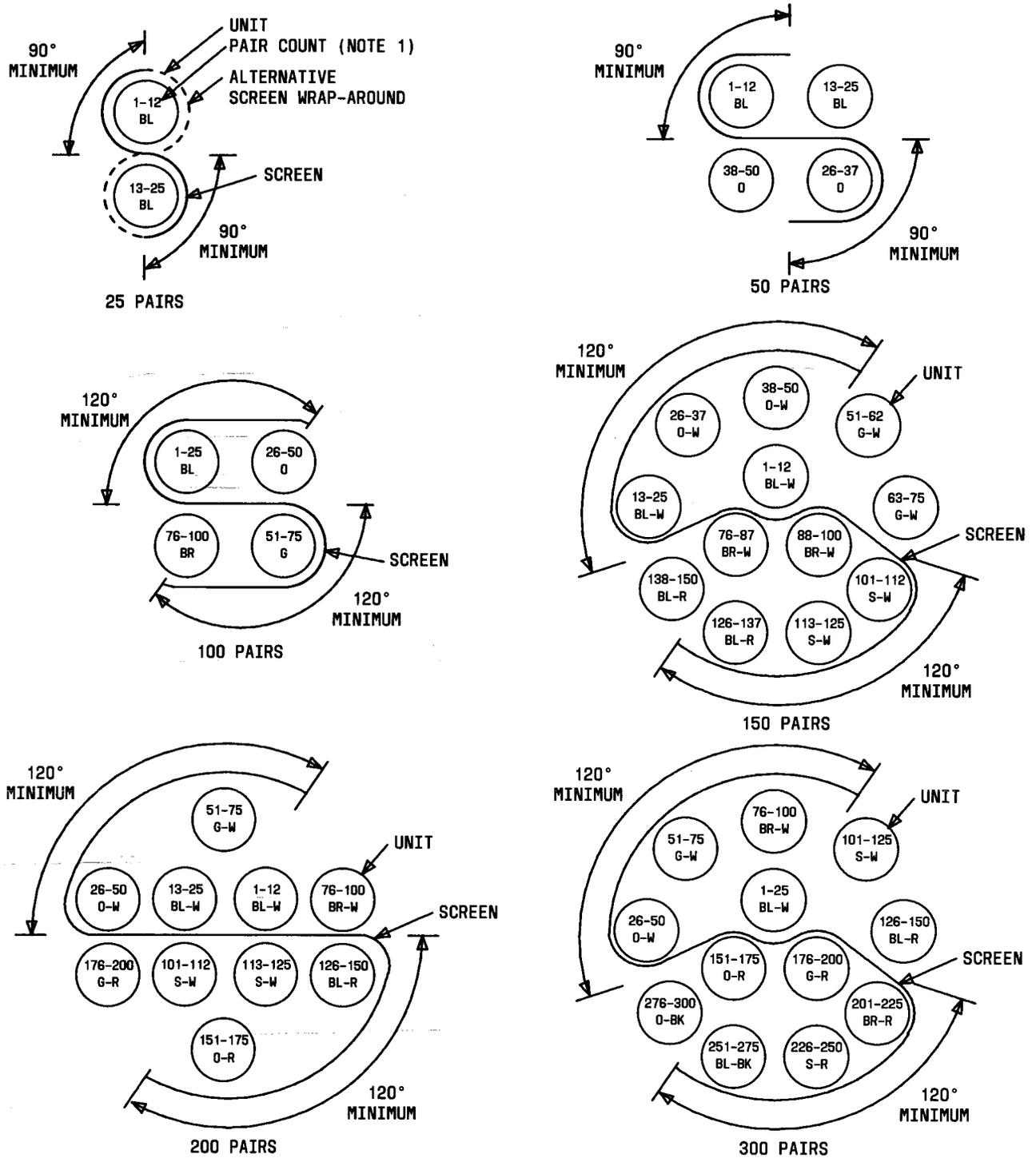
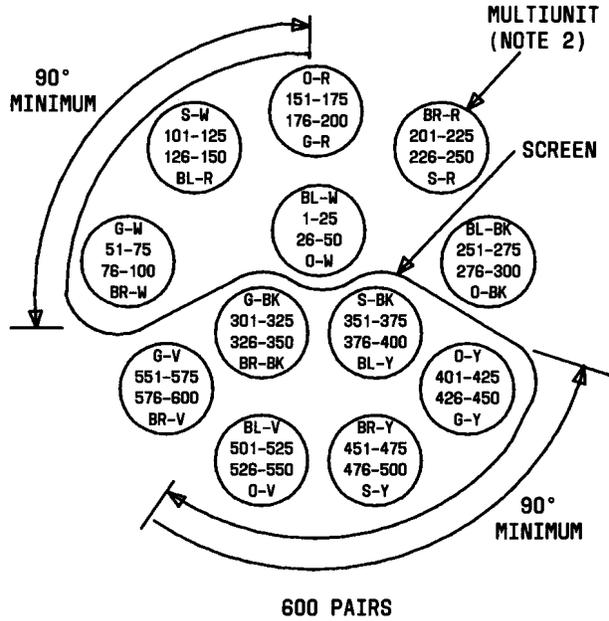
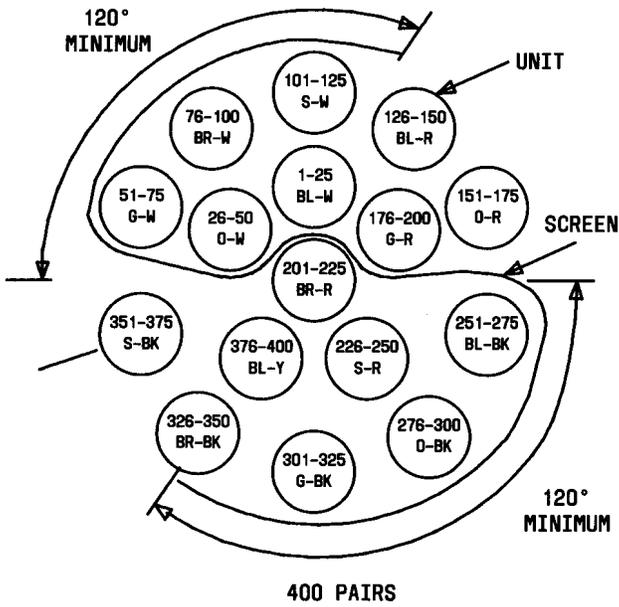


Fig. 2—Waterproof PIC Screened Cables 25 Through 300 Pairs (Sheet 1 of 2)



NOTES:

1. CLOCKWISE PAIR COUNTING SEQUENCE IS SHOWN IN ILLUSTRATIONS.
2. MULTIUNIT BINDERS ARE WHITE.

-KEY-

BL = BLUE	W = WHITE
O = ORANGE	R = RED
G = GREEN	BK = BLACK
BR = BROWN	Y = YELLOW
S = SLATE	V = VIOLET

Fig. 2—Waterproof PIC Screened Cables 400 and 600 Pairs (Sheet 2 of 2)

KLB AND KLA CABLES (WATERPROOF)**2.10 KLB and KLA Cable Core Lay-Ups:**

The core lay-ups of these waterproof **DEPIC screened cables are similar to those shown in Fig. 2.**

3. USE**3.01 KHA PIC Air Core Screened Cables:**

Except for the 50-pair size, KHA cable can be used when engineering T1 or T1C digital line. The 50-pair cables are T1C compatible only at reduced repeater spacings, but are suitable for full-fill T1 carrier. These cables provide sufficient near-end crosstalk isolation between halves for full-fill **T1, T1C, and T1/OS** carrier application.

3.02 KJA and KLA Waterproof Screened

Cables: Waterproof cable should be specified for all buried installations. These cables provide sufficient near-end crosstalk isolation between halves for T-carrier operation. The 25- and 50-pair sizes are T1C compatible only at reduced repeater spacings, but are suitable for T1 carrier. The 100-pair and larger sizes are suitable for T1, T1C, and T1/OS carrier applications.

Note: KLB cables are not 100 percent T1C compatible at maximum repeater spacing. A data study is being made to generate a table of working characteristics.

4. ELECTRICAL CHARACTERISTICS

4.01 The electrical characteristics of plastic-insulated, screened, NS/LA cables are listed in Tables B and C.

TABLE B
ELECTRICAL CHARACTERISTICS

GAUGE AND CABLE CODE	DC RESISTANCE (OHMS/ LOOP MILE AT 68°F)	AVG CAP. (nF/M1 AT 60°F 900 OR 1000 Hz)	CONDUCTANCE (μ s/MILE AT 900 HZ)	INSULATION RESISTANCE GREATER THAN (MEGOHM MILE)	DIELECTRIC STRENGTH (GREATER THAN)	
					BETWEEN CONDUCTORS (VOLTS DC)	BETWEEN CONDUCTORS AND SHEATH (VOLTS DC)
<i>Air Core</i> 22 Ga KHA	173	83	0.2	1000	4000	20,000 — PAP, PASP, PAP with UM, PASP with UM
<i>Waterproof</i> 19 Ga KLB	86	83	0.2	1000	3500	10,000 — ASP or ASP with UM
22 Ga KLA	173	83	0.2	1000	2500	10,000 — ASP or ASP with UM
KJA	173	83	0.2	1000	4000	10,000 — ASP or ASP with UM

TABLE C
ATTENUATION AT 55° F

FREQUENCY (kHz)	dB/1000 FEET			
	AVERAGE VALUES AT FREQUENCY INDICATED			
	19-GA	22-GA		
	KLB	KHA	KLA	KJA
1	0.24	0.34	0.34	0.34
48	0.79	1.36	1.31	1.25
96	1.04	1.62	1.55	1.46
136	1.23	1.80	1.76	1.62
168	1.36	1.98	1.95	1.78
208	1.53	2.20	2.14	1.95
256	1.68	2.44	2.38	2.15
772*	2.97	4.27	4.17	3.66
1000	3.35	4.87	4.73	4.18
1600	4.28	6.19	6.03	5.34

* See Section 855-351-101 for *ENGINEERING LOSSES* at 772 kHz (ie, maximum allowable loss for the *AVERAGE* of all the pairs in a given cable).

5. PHYSICAL CHARACTERISTICS AND REEL LENGTHS

GENERAL

5.01 Sheath Markings: Reel length, manufacturer identification, date of sheathing, and cable code markings are applied on the outer polyethylene jacket of plastic-sheathed and UM-type protected waterproof cables. These markings are described in Section 626-020-020.

5.02 Thermal Wrap: All reels of waterproof cable are shipped with a protective *thermal wrap*. The thermal wrap is provided to protect the outside cable layer from exposure to high surface temperatures during outdoor storage in the sun. The thermal wrap *must* be kept intact around the reel until the cable is placed. Replace thermal wrap which has been damaged, removed, or when a reel still containing cable is returned to the storage yard. If standard thermal wrap is not

available, use a light-colored weather-resistant covering. Damage to the cable may result if this policy is not followed.

5.03 Code Designations: When ordering letter-coded cables, use the applicable letter code. For example, an ASP sheath waterproof core letter-coded cable with 100 pairs of DEPIC 22 gauge is ordered as ***KLAW-100***. When any outer protection is required on the cable, add the respective letter code after the pair size, eg, ***KLAW-100-UM*** (unsoldered mechanical protection).

5.04 Average Shipping Length is the approximate average of the various PIC or DEPIC reel lengths used to fill an order for a gross quantity of a particular cable type without causing an accumulation of uneconomical remnant lengths at the factory. The average shipping length is a theoretical length which is close to the actual average length experienced during manufacture of a given code.



Average shipping length refers to the manner in which cable is shipped, not to a particular reel length; hence, no reel sizes are associated with the term. Use of average shipping length in the ordering of cable is further described under the CABLE SHIPPING LENGTH POLICY heading.

5.05 Maximum Length: For PIC or DEPIC cable, maximum length represents the longest length of a particular cable that can normally be manufactured and shipped within the limitations of the manufacturing process or capacity of the 420 reel. If **average shipping length** cannot be used due to special field conditions, longer lengths can be obtained. In such cases, the **maximum length** is used to determine the largest number of reels that may be shipped. However, it is desirable to restrict the number of such lengths to a reasonable minimum; otherwise, the factories will accumulate excessive numbers of remnant lengths that cannot be disposed of economically, which ultimately will affect cable prices.

CABLE SHIPPING LENGTH POLICY



Western Electric Company, Inc, cable length policy applies to direct shipments from factory to the operating company. For service center policy, consult the local service center.

5.06 Gross Quantity (Total) Order of Cable—Average Shipping Length:

Whenever an order requests a gross quantity of cable, it will normally be filled by a selection of various reels, approximately equivalent to the **average shipping length**, and the following applies.

- (a) No item will be shipped shorter than the length ordered without reference to and concurrence from the operating company. If concurrence to ship an item shorter than the ordered length is received, the operating company will be billed only for the length shipped.
- (b) Shipments of items up to 1 percent (but not less than 10 feet) or 100 feet in excess of ordered quantities, whichever is less, may be made without referral to the operating company. It is not expected that this tolerance will be

exceeded. If this necessity arises, however, advance concurrence of the operating company will be obtained and the billing will be negotiated.

Example: An order for 2830 feet of KLA W-200, requesting average shipping lengths, could result in Western Electric Company shipping up to 2858 feet (1 percent of order excess).

Example: An order for 28,300 feet of KLA W-200, requesting average shipping lengths, could result in Western Electric Company shipping 28,400 feet (100-foot excess).

- (c) The number of reels shipped per item shall not, without operating company concurrence, exceed the number determined by dividing the ordered quantity by the average shipping length as shown on the cable length tables.

Example: An order for 20,000 feet KLA W-200, requesting average shipping lengths, could result in the shipment of 20,100 feet (100-foot excess) on not more than eight reels without operating company concurrence. Average shipping length in cable length tables for KLA W-200 is 2830 feet. (Length ordered divided by average shipping length = 7.1 reels, rounded to eight whole reels.)

5.07 Gross Quantity (Total) Order of Cable—Maximum Shipping Length:

Whenever an order requests a gross quantity of cable and special circumstances **warrant** the use of **longer than average shipping lengths**, maximum length shall be ordered and the following applies.

- (a) No items on an order will be shipped shorter than the length ordered without reference to and concurrence from the operating company. If concurrence to ship an item shorter than the ordered length is received, billing will be for the length shipped.
- (b) Shipments of items up to 2 percent or 200 feet, whichever is less, in excess of ordered quantities may be made without referral to the operating company. It is not expected that this tolerance will be exceeded. If such an occasion does arise, however, advance concurrence of the operating company will be obtained and billing will be negotiated.

Example: An order for 8480 feet KLAW-200 could result in shipment of 8650 feet without operating company concurrence (2 percent of order excess).

Example: An order for 21,200 feet of KLAW-200 could result in shipment of 21,400 feet without operating company concurrence.

(c) The number of reels shipped per item shall not, without operating company concurrence, exceed the number determined by dividing the ordered quantity by the **maximum length** as shown in the cable length tables when the number of maximum reels is three reels or less. When the number determined by the cable length tables exceeds three maximum reels, the number of reels shipped per item shall not, without operating company concurrence, exceed the number determined by dividing the ordered quantity by the **maximum length** by more than one reel or 10 percent rounded to the next whole number, whichever is greater.

Example: An order for 8480 feet of KLAW-200, requesting maximum shipping lengths, could result in the shipment of 8650 feet (2 percent of order excess) on not more than two reels without operating company concurrence. Maximum length in cable length tables for KLAW-200 is 4240 feet.

Example: An order for 29,000 feet of KLAW-200, requesting maximum shipping lengths, could result in the shipment of 29,200 feet (200-foot excess) on not more than eight reels without operating company concurrence. (Length ordered divided by maximum shipping length = 6.9 reels, plus 1 reel excess, total eight reels.)

5.08 Cut Length: PIC or DEPIC cable is priced, and the interval was determined, on the basis that there would be limited ordering of cable cut to specific lengths. Whenever an order requests a specific cut length, ie, "X-type" of exchange cable, the following applies:

(a) No reel of cable will be shipped shorter than the length ordered without reference to and concurrence from the operating company. If concurrence to ship a reel of cable shorter than the ordered length is received, the company will be billed only for the length shipped.

(b) Shipment of reels of cable up to ten feet in excess of ordered lengths may be made without referral to the operating company. Where such shipments take place, the customer will be billed only for the length ordered.

(c) It is not expected that cables which exceed this ten-foot tolerance will need to be shipped. If such an occasion does arise, however, advance concurrence of the operating company will be obtained and the billing negotiated.

REEL LENGTH DATA

5.09 Information on pair sizes, reel lengths, and weights of screened PIC and DEPIC cables are listed in:

TABLE	TYPE OF CABLE
D	KHAG (AIR CORE)
E	KHAG-UM (AIR CORE)
F	KHAH (AIR CORE)
G	KHAH-UM (AIR CORE)
H	KJAW (WATERPROOF)
I	KJAW-UM (WATERPROOF)
J	KLBW AND KLAW (WATER-PROOF)
K	KLBW-UM AND KLAW-UM (WATERPROOF)

TABLE D

KHAG PIC 22-GAUGE SCREENED AIR CORE PAP SHEATH CABLE (NOTE 1)

CABLE CODE	NO. OF PRS	PULL-ING EYES	AVG SHIP. LG (FT)	MAX. LG (FT)	REEL SIZE	OD (IN.)	WT (LBS/FT)
KHAG* KHAG† ↓	50	No	5670	8500	420	1.02	0.42
	100	Note 2	3770	5660	420	1.28	0.72
	150	Note 2	2800	4200	420	1.52	1.02
	200	Note 2	1870	2800	420	1.72	1.32
↓ KHAG†	300	Note 2	1600	2400	420	2.01	1.89
	400	Note 2	1400	2100	420	2.25	2.44
	600	Note 2	800	1200	420	2.66	3.54

Note 1: Cables are shipped under *air pressure*. *Bond wires* are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: *Pulling eyes* are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE E

KHAG-UM PIC 22-GAUGE SCREENED AIR CORE PAP SHEATH CABLE WITH UM (NOTE 1)

CABLE CODE	NO. OF PRS	PULL-ING EYES	AVG SHIP. LG (FT)	MAX. LG (FT)	REEL SIZE	OD (IN.)	WT (LBS/FT)
KHAG-UM* KHAG-UM† ↓	50	Note 2	3770	5660	420	1.23	0.62
	100	Note 2	2240	3360	420	1.50	0.97
	150	Note 2	1870	2800	420	1.75	1.33
	200	Note 2	1600	2400	420	1.96	1.68
↓ KHAG-UM†	300	Note 2	1120	1680	420	2.26	2.31
	400	Note 2	1020	1530	420	2.50	2.92
	600	Note 2	620	930	420	2.93	4.12

Note 1: Cables are shipped under *air pressure*. *Bond wires* are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: *Pulling eyes* are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE F

**KHAH PIC 22-GAUGE SCREENED AIR CORE PASP SHEATH CABLE
(NOTE 1)**

CABLE CODE	NO. OF PRS	PULL-ING EYES	AVG SHIP. LG (FT)	MAX. LG (FT)	REEL SIZE	OD (IN.)	WT (LBS/FT)
KHAH* KHAH† ↓	50	No	5670	8500	420	1.03	0.49
	100	Note 2	3770	5660	420	1.31	0.82
	150	Note 2	2800	4200	420	1.54	1.14
	200	Note 2	1870	2800	420	1.72	1.44
↓ KHAH†	300	Note 2	1400	2100	420	2.03	2.05
	400	Note 2	1120	1680	420	2.27	2.63
	600	Note 2	800	1200	420	2.69	3.76

Note 1: Cables are shipped under pressure. Bond wires are furnished on factory shipments when specified on the order or on agreement with the service center

Note 2: *Pulling eyes* are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE G

**KHAH-UM PIC 22-GAUGE SCREENED AIR CORE PASP SHEATH CABLE
WITH UM (NOTE 1)**

CABLE CODE	NO. OF PRS	PULL-ING EYES	AVG. SHIP. LG (FT)	MAX. LG (FT)	REEL SIZE	OD (IN.)	WT (LBS/FT)
KHAH-UM*	50	Note 2	3770	5660	420	1.24	0.69
KHAH-UM†	100	Note 2	2240	3360	420	1.52	1.08
	150	Note 2	1870	2800	420	1.78	1.46
	200	Note 2	1600	2400	420	1.96	1.80
↓							
	300	Note 2	1120	1680	420	2.28	2.48
	400	Note 2	1020	1530	420	2.53	3.12
KHAH-UM†	600	Note 2	620	930	420	2.95	4.35

Note 1: Cables are shipped under *air pressure*. *Bond wires* are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: *Pulling eyes* are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE H

KJAW 22-GAUGE (COPPER) PIC WATERPROOF SCREENED ASP SHEATH CABLE (NOTE 1)

CABLE CODE	NO. OF PAIRS	PULLING EYES (NOTE 2)	AVERAGE SHIPPING LENGTH (FEET)	MAXIMUM LENGTH (FEET)	REEL SIZE	AVERAGE OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS/FT)
KJAW*	25	NO	4000	6000	417	0.89	0.40
KJAW*	50	NO	4000	6000	420	1.10	0.62
KJAW†	100	YES	2670	4000	420	1.43	1.08
	150	YES	2000	3000	420	1.66	1.49
	200	YES	1600	2400	420	1.88	1.93
	300	YES	1320	1980	420	2.22	2.74
	400	YES	990	1480	420	2.50	3.52
KJAW†	600	YES	640	960	420	2.98	5.06

Note 1: Bond wires are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: Pulling eyes are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE I

**KJAW-UM 22-GAUGE (COPPER) PIC WATERPROOF SCREENED CABLE
ASP SHEATH WITH UM (NOTE 1)**

CABLE CODE	NO. OF PAIRS	PULLING EYES (NOTE 2)	AVERAGE SHIPPING LENGTH (FEET)	MAXIMUM LENGTH (FEET)	REEL SIZE	AVERAGE OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS/FT)
KJAW-UM*	25	NO	4000	6000	420	1.09	0.57
KJAW-UM*	50	YES	2670	4000	420	1.31	0.84
KJAW-UM† ↓	100	YES	2000	3000	420	1.64	1.36
	150	YES	1600	2400	420	1.90	1.84
	200	YES	1330	2000	420	2.13	2.33
↓ KJAW-UM†	300	YES	990	1490	420	2.47	3.21
	400	YES	790	1180	420	2.77	4.06
	600	YES	550	820	420	3.25	5.72

Note 1: Bond wires are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: Pulling eyes are furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE J

**KLBW AND KLAW (COPPER) DEPIC WATERPROOF SCREENED ASP SHEATH CABLE
(NOTE 1)**

CABLE CODE	NO. OF PAIRS	GAUGE	PULLING EYES (NOTE 2)	AVERAGE SHIPPING LENGTH (FEET)	MAXIMUM LENGTH (FEET)	REEL SIZE	AVERAGE OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS/FT)
KLBW*	50	19	YES	2850	4280	420	1.22	0.89
	100	19	YES	1870	2810	420	1.61	1.59
↓	150	19	YES	1390	2090	420	1.94	2.30
	200	19	YES	1390	2080	420	2.19	2.98
KLBW*	300	19	YES	790	1180	420	2.62	4.30
KLAW*	50	22	NO	5730	8600	420	0.90	0.49
KLAW†	100	22	YES	3800	5700	420	1.18	0.86
	150	22	YES	2840	4260	420	1.38	1.20
↓	200	22	YES	2830	4240	420	1.55	1.53
	300	22	YES	1610	2410	420	1.86	2.22
↓	400	22	YES	1400	2100	420	2.10	2.86
	KLAW†	600	22	YES	1010	1520	420	2.51

Note 1: Bond wires are furnished on factory shipments when specified on the order or on agreement with the service center. Pulling eyes are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: Furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.

TABLE K

**KLBW-UM AND KLAU-UM (COPPER) DEPIC WATERPROOF SCREENED CABLE
ASP SHEATH WITH UM (NOTE 1)**

CABLE CODE	NO. OF PAIRS	GAUGE	PULLING EYES (NOTE 2)	AVERAGE SHIPPING LENGTH (FEET)	MAXIMUM LENGTH (FEET)	REEL SIZE	AVERAGE OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS/FT)
KLBW-UM*	50	19	YES	2850	4280	420	1.43	1.13
	100	19	YES	1400	2100	420	1.86	1.93
↓	150	19	YES	1390	2090	420	2.19	2.71
	200	19	YES	930	1390	420	2.45	3.45
KLBW-UM*	300	19	YES	790	1180	420	2.88	4.87
KLAU-UM*	50	22	NO	3830	5740	420	1.11	0.67
KLAU-UM†	100	22	YES	2850	4280	420	1.39	1.09
	150	22	YES	2270	3410	420	1.60	1.46
↓	200	22	YES	1890	2830	420	1.79	1.86
	300	22	YES	1410	2110	420	2.11	2.61
KLAU-UM†	400	22	YES	1120	1680	420	2.36	3.31
	600	22	YES	850	1280	420	2.78	4.68

Note 1: Bond wires are furnished on factory shipments when specified on the order or on agreement with the service center. Pulling eyes are furnished on factory shipments when specified on the order or on agreement with the service center.

Note 2: Furnished on factory shipments when specified on the order or on agreement with the service center.

* T1 compatible.

† T1/T1C compatible.