

Section F

of TELEPHONE EQUIPMENT & SUPPLIES CATALOG

ISSUED FEBRUARY 1975

CABLE SUPPLIES

(GTE Automatic Electric distributes a full line of cable used in the telephone industry. For information and prices, ask our Marketing Representative, or call our nearest warehouse.)

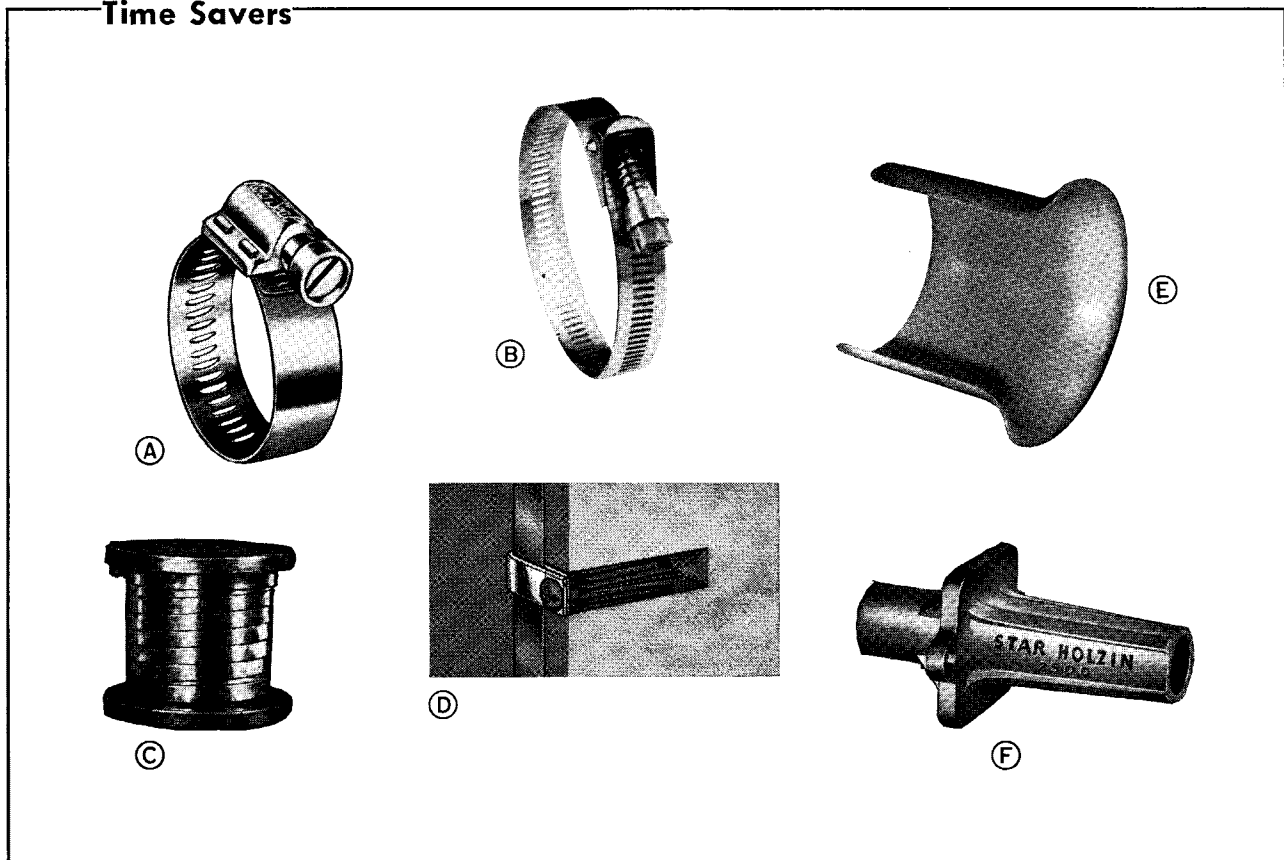
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GTE AUTOMATIC ELECTRIC

NORTHLAKE, ILLINOIS 60164 / TELEPHONE (312) 562-7100

Printed in U.S.A. • Catalog 11,000 • 11M

Time Savers



A Aero-Seal® Adjustable Hose Clamps

For faster, tighter clamping. Will not slip or snap open. Compact, all stainless steel—extra strength, corrosion resistant. No loose parts.

S-521636 ½ to ¾-in. clamp diameter.....per 100 **\$39.98**

B Ideal Adjustable Hose Clamps

For clamping plastic sheathed cable.

S-521637 1½/16 to 4-in. clamp diameter.....per 100 **\$35.02**

C Bonding Ribbon

Approximately 12 feet to the pound.

Furnished in 5-pound spools. Shipping weight, 6 pounds.

S-524745.....per cwt. **\$151.00**

D Bonding Ribbon Clamps

Used for clamping bonding ribbon in manholes and cable vaults. Mounts with Diamond multi-size screw anchor. Shipping weight per 100, ¾ pound.

S-521720.....per 100 **\$8.94**

E Leadergard® Nylon Cable Protectors

Flanged, split tube for insertion in end of duct, riser or other conduit. Protects cable from sharp edges. Resistant to abrasion, corrosion, lubricants, soil conditions, most chemicals. Non-flammable.

Quick, easy installation; economical, permanent. Fits three to five inch ducts. Length, 6 inches. Maximum width, open position, 7½ inches. NOTE: Not for use in continuous exposure to sunlight. Box of 100.

542701.....each **\$.75**

F Concrete Inserts

For providing threaded holes in concrete. Use with machine bolts.

Insert is nailed to the form before concrete is poured. When form is removed, insert remains as a permanent threaded socket.

Machine bolt not included.

Ordering No.	Diam. Bolt In.	Lgth. Insert In.	Wt., Lbs. per 100	Price per 100
S-543410	½	2¾	17	\$49.26

Cable Splicers' Muslin Tape

S-524299	2 in. x 10 yds. Wt., $\frac{1}{8}$ lb.....	per roll	\$.20
S-524300	4 in. x 10 yds. Wt., $\frac{1}{4}$ lb.....	per roll	.38

Cable Splicers' Cotton Tape

S-527901	1 in. x 18 yds. Wt., $\frac{1}{4}$ lb.....	per roll	\$.95
S-527897	$\frac{1}{2}$ in. x 18 yds. Wt., $\frac{1}{8}$ lb.....	per roll	.42

Cable Pastors Tape

Two-inch paper gummed on one side. For use in limiting the length of a wiped joint, giving it a neat, finished appearance. 100 ft. rolls.

S-524505	per 100 rolls	\$86.25
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Type CR Tape

S-527905	20-ft. roll, 28" wide.....	each	\$26.50
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Scotchrap® Pipe Protection Tape

S-528010	100-ft. roll, 2" wide.....	each	\$3.06
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Type DR Tape

Ordering No.	Width In.	Thick. In.	Feet per Roll	Wt. Lbs.	Price per Roll
S-528230	$\frac{3}{4}$	.045	15	$\frac{1}{2}$	\$.76
S-528232	2	.045	15	$1\frac{1}{8}$	1.68

Non-Adhesive Binding Tape

For binding splices in plastic sheathed cable. Non-adhesive polyethylene; .009-in. thick. Roll, 24 feet.

S-527892	Two inches wide.....	each	\$.58
S-527894	Four inches wide.....	each	.93

Lead Serving Tape

Used with grade clamps to protect cable sheath by wrapping under clamp, or, for building up sheath when too small for clamp.

	$1\frac{1}{2}$ in. wide, $\frac{1}{32}$ in. thick.	
S-528210	.....	per 5-ft. roll \$.40

Electrical Tape

A paper tape used for repairing paper insulated cable. Natural tan color.

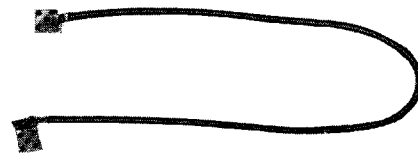
	Furnished in rolls $\frac{1}{2}$ inch by 20 yards.	
S-528140	.....	per roll \$.66

Aluminum Foil Tape

Pressure sensitive. For bonding and protecting plastic cable splices. Before applying, rub out edges with any rounded tool. This assures a firm adhesive bond. NOTE: Gloves should be worn when handling aluminum foil tape. Forty-foot roll.

Ordering No.	Width In.	Wt. Ozs.	Price per Roll
S-527872	2	3	\$1.55
S-527874	4	6	2.50

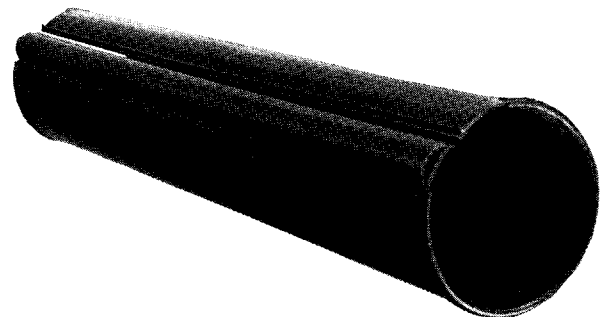
Grounding Leads and Terminals



Double-faced, solderless, non-oxidizing grounding leads save time, reduce application costs. Provide reliable, permanent connection. Improve life and performance of permanent grounds on soft aluminum or soft copper corrugated shields of plastic sheathed cable. R.E.A. approved.

S-524148	One length lead. 15-in. long.	
	7 strand wire.....	each \$.34
S-524151	Two length lead. 12x21-in. long.	
	7 strand wire.....	each .46

Locking Squirrel Guards



Smooth, rigid, lightweight. High impact polyvinyl chloride tubes completely surround cable or wires. Protects entire line surface permanently. Stays in place—no warping, twisting or dangling.

Locking longitudinal seam won't pop open. Individual sections are easily removed for line maintenance and replaced for reuse. Black, 10-ft. sections only. Available in lt. blue, green, or other colors on special order.

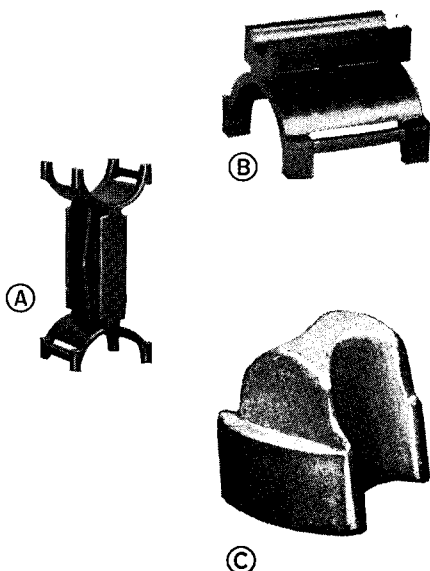
S-522785	1-in. inside diameter.....	per 1000 ft.	\$140.30
S-522786	$1\frac{1}{2}$ -in. inside diameter.....	per 1000 ft.	188.60
S-522787	2-in. inside diameter.....	per 1000 ft.	257.60
S-522788	3-in. inside diameter.....	per 1000 ft.	300.30

Prices are subject to change without notice.

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CABLE SUPPLIES

Cable Spacers and Wedges



(A) Plastic Cable to Cable Spacers

Used to maintain space between two cables entering a splice case. Package of 20.

S-526388	1-inch.....	per 100	\$6.25
S-526389	1½-inch.....	per 100	7.13
S-526390	2-inch.....	per 100	7.88

(B) Plastic Cable Spacers

For lashed cable construction. Spacers separate cable and strand. Lower concave surface bears against cable, upper concave surface bears against under side of strand.

Ordering No.	Size Inches	Std. Pkg.	Wt., Lbs. per 100	Price per 100
S-526391	¼	50	1.2	\$2.63
S-526392	½	50	1.4	3.50
S-526393	¾	25	2.0	4.38
S-526394	1	25	2.0	4.75
S-526396	1½	25	2.4	5.88
S-526398	2	25	2.8	7.50

(C) Lead Cable Wedges

Shaped to wedge securely between two cables at "Y" splice.

Ordering No.	CABLE OPENING		Wt. Lbs. per 100	Price per 100
	Diam., In.	Sep- aration In.		
S-529349	$\frac{7}{16}$ and $\frac{5}{8}$	$\frac{3}{8}$	10	\$8.75
S-529350	$\frac{1}{2}$ and $\frac{1}{2}$	$\frac{3}{8}$	$10\frac{1}{2}$	10.00
S-529351	$\frac{1}{2}$ and $\frac{7}{8}$	$\frac{3}{8}$	10	10.63
S-529352	$\frac{7}{8}$ and $1\frac{1}{2}$	$\frac{3}{8}$	18	16.25
S-529353	$1\frac{5}{8}$ and 2	$\frac{1}{2}$	69	43.75
S-529354	2 and 2	$\frac{1}{2}$	110	62.50
S-529355	$\frac{1}{2}$ and $2\frac{5}{8}$	$\frac{3}{8}$	37	25.00
S-529356	$\frac{7}{8}$ and $2\frac{5}{8}$	$\frac{1}{2}$	74	46.25
S-529357	$1\frac{5}{16}$ and $2\frac{5}{8}$	$\frac{5}{8}$	100	60.00
S-529358	2 and $2\frac{5}{8}$	$\frac{5}{8}$	150	77.50
S-529359	$2\frac{5}{8}$ and $2\frac{5}{8}$	$\frac{5}{8}$	$165\frac{1}{2}$	87.50
S-529360	T-Shaped. For 3-way splices		34	26.25

Plastic Cable Lubricant

Bentonite pulling lubricant for synthetic sheathed cable. Use regular grade for temperatures above 32°F., winter grade for temperatures below 32°F. Supplied in 5-gallon pails. Weight, 40 pounds.

S-524242	Regular Grade		\$9.90
S-524243	Winter Grade		14.85

Lead Cable Lubricant

Neutral in reaction, will not attack lead sheath of cable. Water repellent; will not dissolve or emulsify.

Easily applied by brush. Two pounds will lubricate approximately 100 feet of 3½-inch O. D. cable.

S-524230	per drum	\$17.33
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Indoor Cable Lubricant

For pulling inside wires and cables into ducts and conduits.

S-524238	One-pound can. Twenty-four cans per case.....	per case	\$9.24
S-524239	Five-pound pail. Six pails per case.....	per case	25.28

Lead and Plastic Tubing

S-528421	Lead. For valve extensions and bypasses on lead cable. ¼-in. i.d., ½-in. o.d. 100-ft. coils ..	per 100 ft.	\$42.73
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S-528450	Type P plastic. For piping dry air to single cables in pressurization systems, and bypasses in aerial cable. ¼-in. o.d., .040-in. wall thickness. Black. 100-ft. coils	per 100 ft.	2.60
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S-528451	Type P plastic. Same as above, but in 500-ft. coils.....	per 100 ft.	2.60
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S-528454	Quad plastic. Four individual plastic tubes contained in overall plastic sheath. For connecting air supply to individual cables from air rate indicators. ¼-in. o.d., .040-in. wall thickness. Black. 500-ft. coils	per coil	204.17
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S-528455	Quad plastic. Same as above, but in 1000-ft. coils.....	per coil	370.14
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Self-Fluxing Solder

Hollow core carries the flux; when heated and melted, solder becomes self-fluxing. Non-corrosive, non-conductive. Works when ordinary rosin or resin core solder fails. Easily solders copper, zinc, brass, nickel-plate and many other metals.

Resin-Five Core

Ordering No.	Diameter Inches	Description	Wt. Lbs.	Price per Lb.
S-763500	$\frac{3}{32}$ —.093	40% Tin, 60% Lead	1	\$2.90
S-763501	$\frac{3}{32}$ —.093	40% Tin, 60% Lead	5	3.00
S-763499	$\frac{1}{16}$ —.062	40% Tin, 60% Lead	1	2.90
S-763498	$\frac{1}{16}$ —.062	40% Tin, 60% Lead	5	2.99

Also available in other combinations of tin and lead, larger or smaller diameters and 20-lb. spool (not adaptable to .050-in. and smaller gauge).

Stearine Core

S-526321	$\frac{1}{8}$ —.125	40% Tin, 60% Lead	1	\$2.90
S-526325	$\frac{1}{8}$ —.125	40% Tin, 60% Lead	5	2.85

Also available in 50 per cent tin, 50 per cent lead solder.

Solid Wire Solder

Same type as bar solder but preferred by some users. No. S-526363 is excellent for use as seam solder.

Ordering No.	Size	Diam. In.	Description	Wt. Lbs.	Price per 100 Lbs.
S-526362	9	.148	40% Tin, 60% Lead	5	\$290.09
S-526363	6	.203	50% Tin, 50% Lead	5	382.50
S-526361	...	.125	40% Tin, 60% Lead	5	300.09

Wiping Solder

Standard solder furnished in $1\frac{1}{2}$ -pound bars, packed 100 pounds to a box.

S-526337 37% Tin, 63% Leadeach **\$179.70**

Aluminum Tinning Solder

For use in soldering aluminum sheath cables. Three bars per pound. $\frac{3}{8}$ x12-inches.

S-526328 90% Tin, 10% Zincper 100 lbs. **\$135.60**

Arsenical Cable Wiping Solder

Telephone Specification

A fine-textured solder especially designed for cable wiping. Has a small amount of arsenic added to lead-tin alloy which makes it solidify more slowly.

Shipping weight, $1\frac{1}{2}$ pounds.

S-526336per 100 lbs. **\$248.04**

Prices are subject to change without notice.

Soldering Paste

Provides a fast, safe method of fluxing all of the common metals with the exception of aluminum.

Carefully compounded; does not discolor or stain. A small amount suffices for any ordinary job.

Not affected by heat and does not spatter.

The solder will not turn dark after using. Two-ounce can.

S-522510each **\$.24**

Sealing Solder

A low-melting-point solder for finishing or repairing small fissures and pinholes in wiped joints.

Especially useful when cable is to be tested by gas pressure.

Weight per stick, $\frac{1}{4}$ pound.

S-526300per 100 lbs. **\$322.00**

Soldering Forms

Round or square sizes for soldering pressure testing fittings to lead sheathed cables. Consists of short lengths of gummed kraft paper with felt washers glued to under side. Openings confine solder around attachment.

Package of six. Weight, 2 ounces.

522517 Round, $1\frac{1}{2}$ -in.per pkg. **\$1.49**

S-522518 Square, $\frac{7}{8}$ -in.per pkg. **1.49**

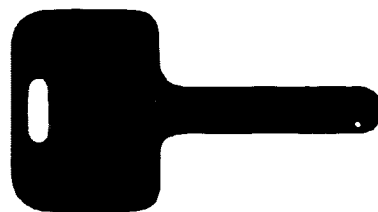
Rubber Base Cement

For permanent, waterproof bond on rubber-insulated conductors. Excellent adhesive properties under most conditions. Furnished with applicator.

S-521540 4-oz. caneach **\$.65**

S-521541 1-qt. caneach **2.26**

Cable Tags



Terminal Tag

Made of virgin sheet lead. Strap and terminal types fasten around the cable terminal stub. Octagonal and round types are used in marking pairs at cable terminals.

S-527775 Strap Tag $1\frac{1}{4}$ in. wide x $\frac{3}{64}$ in. thick x 10 in. long. Wt. per 100, 15 lbs. per 1000 **\$157.50**

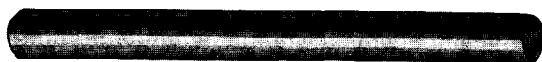
S-527776 Terminal Tag $2\frac{1}{8}$ in. wide x $\frac{3}{64}$ in. thick x $3\frac{3}{4}$ in. long. Wt. per 100, 7 lbs.per 1000 **76.25**

S-527773 Octagonal Tag $1\frac{5}{8}$ in. diam. x $\frac{1}{16}$ in. thick. Wt. per 100, 6 lbs.per 1000 **62.50**

S-527774 Round Tag $1\frac{5}{8}$ in. diam. x $\frac{1}{16}$ in. thick. Wt. per 100, 6 lbs.per 1000 **60.00**

CABLE SUPPLIES

Lead Sleeving



Listed below are the most commonly used sizes and lengths. These sizes can also be furnished in six foot mill lengths for greater economy; other sizes available on order.

Ordering No.	I.D. and Length Inches	No. of Pairs	B & S Gauge	Wt. Lbs.
S-525303	$\frac{3}{4}$ x15	6	19,22	2.12
		11	19,22,24	
		16	19,22,24	
		26	24	
S-525304	1x15	51	24	2.87
		26	19,22	
S-525305	$1\frac{1}{4}$ x15	51	22	3.50
		76	24	
S-525306	$1\frac{1}{2}$ x15	51	19	4.00
		76	22	
		101	22,24	
S-525307	$1\frac{3}{4}$ x17	76	19	5.38
		152	24	
S-525308	2x17	101	19	5.81
		152	22	
		202	24	
S-525309	$2\frac{1}{4}$ x17	202	22	6.52
		303	24	
S-525310	$2\frac{1}{4}$ x20	152	19	7.67
		202	19	
S-525311	$2\frac{3}{4}$ x20	303	22	9.67
		404	24	
		404	22	
S-525312	3x20	404	22	15.00
		455	22,24	
S-525314	$3\frac{1}{2}$ x20	303	19	18.00
		606	22,24	
S-525316	4x20	404	19	20.83
		455	19	
		909	22,24	
S-525318	$4\frac{1}{2}$ x20	1212	24	22.67
S-525319	$4\frac{1}{2}$ x22	...	...	24.86
S-525320	5x20	...	...	24.20
S-525321	5x22	...	...	26.62
S-525322	$5\frac{1}{2}$ x20	...	...	26.20
S-525323	$5\frac{1}{2}$ x22	...	...	28.80
S-525324	6x22	...	...	33.40
S-525326	$6\frac{1}{2}$ x24	...	...	38.80
S-525328	7x24	...	...	41.70
S-525329	8x24	...	...	47.40

6-Foot Mill Lengths

Ordering No.	I.D. Inches	Wt., Lbs. per Ft.	Ordering No.	I.D. Inches	Wt., Lbs. per Ft.
S-525953	$\frac{3}{4}$	1.7	S-525964	$3\frac{1}{2}$	10.8
S-525954	1	2.3	S-525966	4	12.5
S-525955	$1\frac{1}{4}$	2.8	S-525968	$4\frac{1}{2}$	13.6
S-525956	$1\frac{1}{2}$	3.2	S-525970	5	14.5
S-525957	$1\frac{3}{4}$	3.8	S-525972	$5\frac{1}{2}$	15.7
S-525958	2	4.1	S-525974	6	18.2
S-525959	$2\frac{1}{4}$	4.60	S-525976	$6\frac{1}{2}$	19.4
S-525960	$2\frac{1}{2}$	5.08	S-525978	7	208.3
S-525961	$2\frac{3}{4}$	5.8	S-525979	8	142.2
S-525962	3	9.0			

Prices on Application

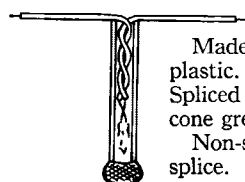
Open Splice Sleeves

Sleeves are 3 inches long.

Ordering No.	AWG of Conductors	Type of Splice	Color	In-side Diam. In.	No. per Box	Price per Box
S-525661	19	Straight	Red	.148	250	1.50
	24	Bridge				
	22	Bridge				
S-525662	19	Bridge	Yellow	.208	250	1.50

Plastic Filled Splice Sleeves

Moisture and Corrosion Resistant



Made from weather resistant polyethylene plastic. Ideal for speedy, permanent splices. Spliced wires are completely encased in silicone grease.

Non-setting. Permits simple re-entry to splice.

Each size is distinctively colored for ready identification. Sleeves are $2\frac{1}{2}$ inches long.

Bulk Packed

Ordering No.	Color	Size In.	No. per Box	Price per Box
S-525650	Yellow	.085	550	\$12.95
S-525651	Green	.105	450	11.75
S-525652	Clear	.125	350	10.55
S-525653	Red	.145	275	3.75
S-525654	Blue	.165	225	8.15

Anhydrous Sleeves

Prepared waxed cotton sleeves approximately $3\frac{1}{4}$ inches long. For cable splicing.

Single Wall

Ordering No.	Size In.	For Gauge No.	Approx. No. in Box	Wt., Lbs. per Box	Price per Box
S-525113	$\frac{1}{2}$	26	900	1	\$3.23
S-525114	$\frac{1}{8}$	24	700	$\frac{7}{8}$	2.79
S-525115	$\frac{1}{2}$	22	400	$\frac{3}{4}$	2.70
S-525118	$\frac{1}{4}$	19-16	200	$\frac{3}{4}$	2.60

Double Wall for Toll Cable Splicing

Ordering No.	Size In.	For Gauge No.	Approx. No. in Box	Wt., Lbs. per Box	Price per Box
S-525105	$\frac{5}{32}$	22	300	1	\$3.19
S-525108	$\frac{1}{4}$	19-16	150	1	3.14

Repair Sleeves

Thermofit, wrap-around type. Used on polyethylene and lead-sheathed cable, pressurized and non-pressurized.

Ordering No.	Size	No. per Ctn.	Price Ea.
525513	.60" to 1.40" by 5 ft.	20	\$16.20
525514	.90" to 2.10" by 5 ft.	20	18.40
525515	1.60" to 3.75" by 5 ft.	20	24.80
525516	2.30" to 5.50" by 5 ft.	20	41.20
525517	3.00" to 6.25" by 5 ft.	20	49.40
525497	40.00" to 85.00" by 5 ft.	20	12.85
525498	85.00" to 120.00" by 5 ft.	20	12.10
525499	85.00" to 120.00" by 25 ft.	2	78.65

Scotchcast® Resin Pressure Method Materials

For universal application of epoxy resin to splice and termination.

S-528225	Spacer Tape; 10 per box.....	per roll	\$2.45
S-528146	Restricting Tape; 10 per box.....	per roll	1.32
S-524320	Nozzle; 10 per box.....	per box	3.17
S-524520	Channeling Pins; 100 per box.....	per 100	6.60

Cable Wrapping Cloth

A cotton fabric impregnated with waterproofing compound. Used in temporarily closing splices of aerial cables to protect them from the weather.

Furnished in sheets 24 by 38 inches, or in yardage approximately 38 inches in width.

S-572050	Sheet-24x38 inches. Wt., ¼ lb.....	each	\$1.00
S-572051	Yardage as Specified. Wt., ⅜ lb.....	per yard	1.48

Splice Covering

Plastic sheeting for use as a temporary covering on open cable splices. Standard packages not broken.

S-572490	20x24 inches. Pkg., 5 pcs. Wt., 1½ lbs.....	per pkg.	\$1.00
S-572491	48 in. x 50 ft. Pkg., 50 ft. Wt., 16 lbs.....	per roll	9.75

Type B Wire Cloths

Bronze wire screening; 18x14 mesh. Used in cable splicing operations. Cloths are 2x12-in. long. Package of 20. Weight, ½ pound.

S-522001	per pkg.	\$3.12
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Scotchcast® Inline Splicing Kits

Complete kits for splicing or blocking plastic insulated communications and control cable. Provide quick, positive electrical and moisture-proof splices. Insulator in ready to use plastic container. Carton of 10.

Resin No. 12 Insulator

S-524185	For ¼ to ⅝-in. o.d. cable.....	each	\$3.78
S-524186	For ⅝ to 1-in. o.d. cable.....	each	5.90
S-524187	For 1 to 1⅞-in. o.d. cable.....	each	10.09

Plastic Sealing Cups

For use with resin compound to seal ends of polyethylene insulated conductor cable at ready access terminals. Clear, semi-rigid plastic. Closed on one end. Package of 100.

S-522297	Small. 1x3-in.....	per 100	\$7.16
S-522298	Large. 2¼x2-in.....	per 100	33.00

Universal Support Kits

For use with cable and support strand. Contains 100 feet of ¾-inch wide stainless steel ribbon and 75 stainless steel buckles. Quick, easy installation. Standard plastic ¼, ½ or ¾-in. spacers may be used for separating the strand from cable sheath or sleeve.

S-527510	each	\$6.50
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Lashing Wire

For bonding and grounding.

S-529606	Annealed tinned copper wire. No. 16 B & S gauge. 50 spools per carton. Wt. per spool, 1 lb.	per 100 lbs.	\$399.00
S-529615	Lead coated bronze core. .073-in. diameter; 90-ft. length. 40 spools per carton. Wt. per spool, 1½ lbs.....	per spool	4.70

Crapo Cable Lashing Wire

Lashing or spinning wire with tapered or cone-shaped hub—standard hub for all Neal spinning machines. Straight hub is standard on Western Electric pull-type spinners.

Packed 6 coils in a carton.

To figure the amount of spinning wire, add 10 per cent to length of cable to be spun.

Galvanized C Coated Steel Cable Lashing Wire

Ordering No.	Wire Size In.	Lgth. Coil (±10 Ft.)	Type of Hub	Wt. Lbs. per Ctn.	Price per Coil
S-529594	.091	325	Straight	44	\$3.74
S-529593	.091	325	Tapered	44	3.74
S-529592	.061	650	Straight	40	4.09

Stainless Steel Spinning Wire

Developed specifically to meet demands for a spinning wire with a high strength to weight ratio and superior resistance to corrosion.

Type 430 Stainless Steel

Ordering No.	Diam. In.	Approx. Feet per Coil	Type of Hub	Wt. Lbs. per Ctn.	Price per Coil
S-529602	.045	1200	Cone-Shaped	38¾	\$14.25
S-529603	.045	1200	Straight	38¾	14.25
S-529604	.061	735	Cone-Shaped	45	17.10
S-529605	.061	735	Straight	45	17.10
*S-529599	.045	375	For Model S Spinner	10¼	6.75

*8 coils per carton; other sizes available on request.

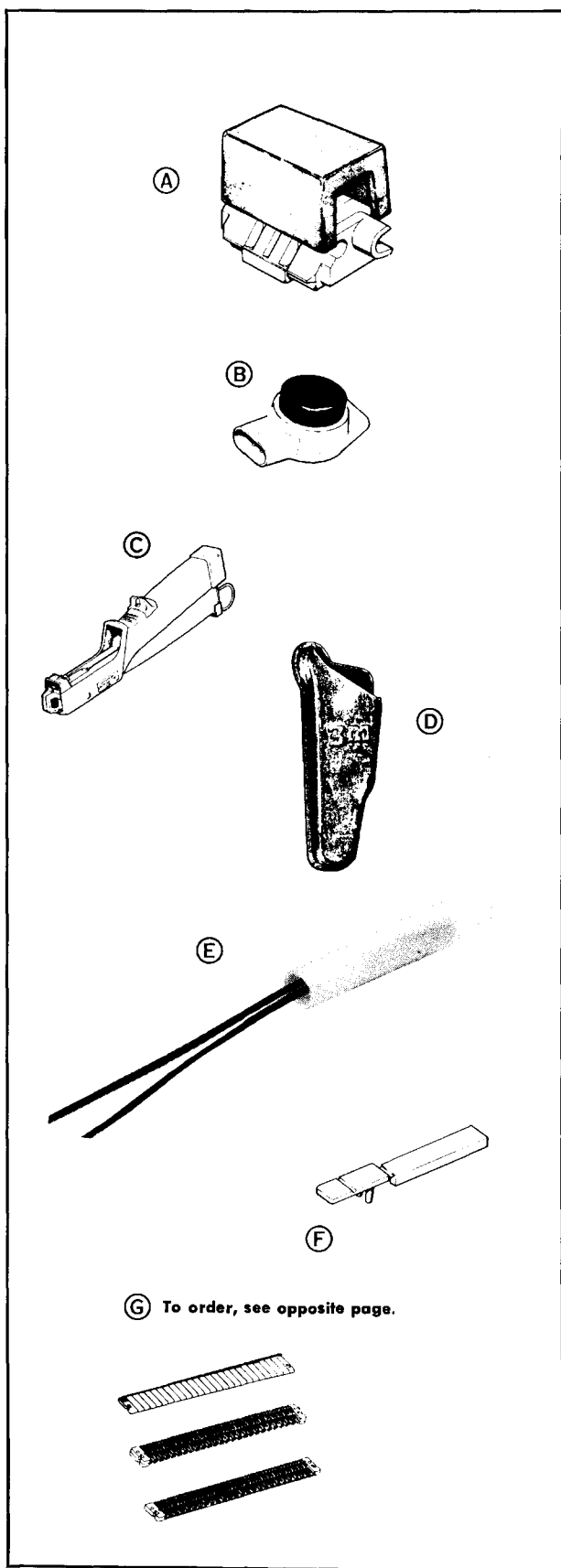
Type 316 Chrome-Nickel-Molybdenum Steel

.....	.065	650	Straight	46	*
S-529601	.045	1200	Straight	38¾	19.13

*Price on Application

Prices are subject to change without notice.

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(G) To order, see opposite page.

Scotchlok® Brand Self-Stripping Wire Connectors

One connector makes, insulates and moisture seals any 2 or 3 wire combination. Wires are cut to length, inserted into barrel, and secured when button is squeezed into sleeve.

(A) UB Bridge Connector. 22-26 AWG.

S-522217 Box of 100..... \$4.26

UG Bridge Connector. 19-26 AWG.

S-522166 Box of 100..... 4.70

S-522165 Bin of 1000..... 47.00

(B) ULG Butt Connector. 19-24 AWG.

S-522214 Box of 100..... 4.91

S-522215 Pack of 10 cartridges..... 5.05
(10 connectors per cartridge)

UR Butt Connector. 19-26 AWG.

S-522168 Box of 100..... 4.70

S-522167 Bin of 1000..... 47.00

S-522203 Pack of 10 cartridges..... 4.84
(10 connectors per cartridge)

UY Butt Connector. 22-26 AWG.

S-522199 Box of 100..... 3.85

S-522198 Bin of 1000..... 38.54

S-522204 Pack of 10 cartridges..... 6.37
(16 connectors per cartridge)

Crimping Tools

S-578874 For UR connectors only.....each 9.10

S-578875 For UR and UG connectors.....each 7.90

© S-578871 For UR, UY and ULG
connectors in cartridges.....each 24.25

Holster

© S-571682 For carrying S-578871
Crimping Tool.....each 3.31

(E) Type B Wire Connectors

For butt splicing various sized solid wires with plastic, single-wrap paper or pulp insulation. Reduces splicing time; makes electrical connection equivalent to soldering.

Tin plated phosphor-bronze insert with insulation piercing tangs; outer soft brass shell covered with a semi-rigid plastic jacket. Requires use of a presser tool (see Section D, Tools). Package of 1000.

S-522173per pkg. \$22.74

Priority Circuit Caps

Used on Cross-connect Modules (See page F-9) to protect important circuits from accidental interruption.

© S-520870Per 100 \$7.96

Connector Modules

Complete module consists of base, body and cover. Used with MS² Modular Splicing Kit in Section D to splice 25 cable pairs simultaneously. Saves time. Accepts 22-28 AWG wire.

© S-522205	Complete module. (see pg. 8) each	\$ 1.94
S-522206	Connector body only. each	1.41
S-522207	Connector cover only. each	.26
S-522208	Connector base only. each	4.78

Mini-Module Connectors

Does same job as above connector modules, but takes up less than half the space. Used with MS² Modular Splicing Kit in Section D. Accepts 22-28 AWG conductors.

S-522224	Complete mini-module. each	1.66
S-522225	Connector body only. each	1.24
S-522226	Connector cover only. each	.17
S-522227	Connector base only. each	.42

Half-Tap Mini-Modules

For use when half-tapping with the MS² Modular Splicing Kit in Section D. Accepts 20-28 AWG conductors.

S-522228 each	1.58
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Cross-Connect Modules

Similar to above connectors. Also used with MS² Modular Splicing Kit in Section D.

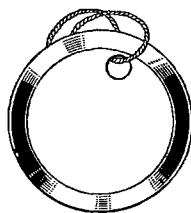
S-527267	Feeder Module. Terminates 25 pairs of 24 AWG conductors simultaneously. . each	2.66
S-527268	Distribution Module. Terminates distribution cable, 25 pairs at a time. . each	2.97

AMP Wire Connectors

Mylar insulated, channel shaped, brass plated connector with insulation piercing tangs. For splicing paper or plastic insulated cable conductors in hermetically sealed closures. Color coded for quick recognition of size difference. Package of 1000. NOTE: Requires use of special crimping tool; see our representative.

S-522160	For 22, 24 and 26 gauge cable conductors. Green. per pkg.	\$49.09
S-522161	For 19 and 22 gauge cable conductors. Red. per pkg.	49.09

Metal Rim Tags



For cable or wire identification after grouping.

S-527810 per 1000	\$18.46
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Prices are subject to change without notice.

Drierite Desiccant

Ordering No.	Size Can	Cans per Case	Wt. Lbs.	Price per Can
S-522352	1/8 Pt. 50 Grams	48	1/4	\$.16
S-522353	1/2 Pt. 200 Grams	12	3/8	.34
S-522354	1 Qt. 800 Grams	12	1 1/2	.72

Type B Protek-Sorb Desiccant

Used for drying cable splices.

Ordering No.	Size Can	Wt. Lbs. per Case	Price per Can
S-522350	160 Grams	1/2	\$.63
S-522351	650 Grams	1 7/8	1.39

Polyethylene Film

Used as an envelope for holding desiccant when splicing plastic cable.

Furnished in sheets 18x36x.0015-inch thick.

Weight per 100, 6 pounds.

S-522427 each	\$2.20
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Stearine Candles

Sold by the pound—approximately 6 candles to a pound.

S-526740 per lb.	\$.77
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Paraffin

S-524490 per 100 lbs.	\$21.45
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Beeswax

S-520321	100% Pure. per lb.	\$2.11
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Scotchkote® Electrical Coating

A strong, fast drying sealant and bonding agent. For use as an inner and outer seal over cable splices subjected to oil, voids, alkalies, severe weathering.

S-522080 per 8-oz. can	\$1.00
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Type B Conductor Coating Compound

Eliminates frayed insulation. All conductors can be formed or folded without insulation cracking, or exposing bare wire. Non-flammable and non-explosive under normal temperature and pressure conditions. High water resistance. CAUTION: Compound should be used outside, or in well ventilated areas.

S-522067	Aerosol Cans. 16-oz. Twelve cans per case. per case	24.00
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CABLE SUPPLIES

Electrical Insulation Putty

For filling voids and padding sharp edges of cable connectors, motor terminals, bus bars and tee connectors.

S-527975per roll **\$1.47**

Quick Plug® Patching Material

A fast setting waterproof patching material. Hardens in three to five minutes. Provides quick repairs around pipes, cables, ducts, etc. Stops water flowing through leaks in masonry, even under pressure.

S-540850 One quart. 3 lb. can; 6 per case.....each **\$1.13**

S-540851 One gallon. 12 lb. can; 4 per caseeach **3.63**

Albeseal Plastic Compound

Used for sealing openings of ducts, sealing terminal boxes, filling cracks in brick work, etc.

S-540891 Pocket Roll. Weight, 1 lb.....per lb. **\$1.03**

S-540892 3-in. diam. x 18-in. Pug. Weight, 7½ lbs.....each **2.44**

Permagum Compound

A soft, putty-like material for use in sealing the space between conduit and electrical cable.

S-540893 One-pound bag.....each **\$.53**

S-540894 Five-pound bag.....each **2.00**

Rubber Conduit Plugs

Soft, expansible rubber with galvanized steel plates and bolts. Provide a positive seal in underground conduit against water and gas. Available in split type for slipping around cable, and solid type for plugging unused ducts; round or square shape.

S-546160 Solid type, 3½-in. round.....each **\$4.90**

S-546166 Solid type, 3½-in. square.....each **4.90**

S-546161 Split type, 3½-in. round. 1¼-in. hole..each **6.24**

546162 Split type, 3½-in. round. 1⅝-in. hole..each **6.24**

546163 Split type, 3½-in. round. 2¼-in. hole..each **6.24**

546164 Split type, 3½-in. round. 2½-in. hole..each **6.24**

S-546167 Split type, 3½-in. square. 2¼-in. hole..each **9.80**

546168 Split type, 3½-in. square. 2⅝-in. hole..each **9.80**

S-546169 Split type, 3½-in. square. 2⅞-in. holeeach **9.80**

S-577280 Plug Remover for split conduit plugs. With T handle.....each **13.37**

S-579271 Plug Wrench for expanding split conduit plugs. With T handle, universal joint, socketeach **9.90**

Wood Conduit Plugs

Water repellent solid wood. Used to seal 3¼ and 3½-in. square bore clay conduit. Tapers from 3¼ to 3 inches.

546184per 100 **\$30.98**



Neoprene Cable Caps

For sealing cleared ends of communications cable, moisture sealing and insulation on power cable. May be used for protecting parts during shipment or installation.

Caps will retain from 5 to 15 pounds nominal air pressure with proper installation. Can be used on cable ¼ to ½-inch smaller than indicated. Adjustable stainless steel clamps tighten caps to cable or equipment. Four inches long.

Without Valves

Ordering No.	I.D. Wt., Lbs. In. per 100	Price Each
S-520742	½ 12	\$.49
S-520743	¾ 14	.55
S-520744	1 17	.51
S-520745	1½ 24	.66
S-520746	2 28	.96
S-520747	2½ 36	1.16
S-520748	3 45	1.37

With Valves

Ordering No.	I.D. Wt., Lbs. In. per 100	Price Each
S-520753	¾ 15	\$1.31
S-520754	1 18	1.06
S-520749	1½ 25	1.25
S-520750	2 29	1.43
S-520751	2½ 37	2.23
S-520752	3 46	3.05

Urethane Compound

For sealing aerial and buried cable.

S-522101 8-oz. kit.....each **\$3.05**

S-522102 15-oz. kit.....each **4.20**

Nylon Screw Plugs



For sealing plastic pressure testing fittings. Slotted; ¼x⅝-in. long. Twenty threads per inch.

S-524651per 100 **\$5.88**

Thread Sealing Compound

For use on threads of pressure testing fittings.

S-522068.....each **\$1.18**

Pressure Testing Concentrate

Fluids for spray leak-testing of cables. Can be used when temperature is above or below freezing.

S-522152 For plastic cable, above and below freezing. Four-ounce plastic bottles. Case of 24.....per case **\$29.94**

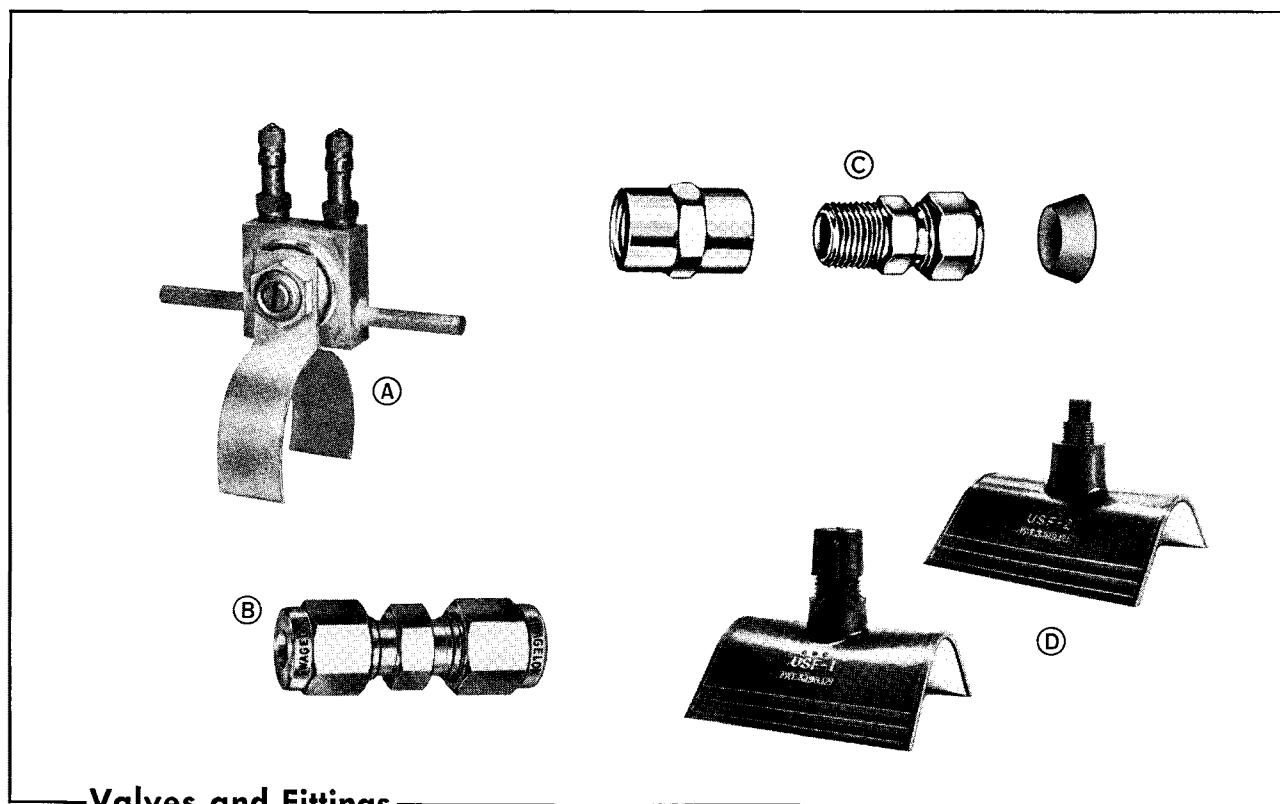
S-522153 For lead cable, above freezing. Four-ounce plastic bottles. Case of 24.....per case **22.13**

Type L Pressure Testing Flanges

Used to install pressure testing plugs. Solder coated bronze. Consists of a body to be soldered to cable, and a plug for sealing hole in flange.

Package of six bodies, seven plugs. Weight, ¾ pound.

S-522465.....per pkg. **\$7.43**



Valves and Fittings

Ⓐ Dual Stem Bypass Valves

A packless type of pressure testing valve with stainless steel diaphragm and control screw. Equipped with two pressure testing valves and a curved bracket for mounting on a cable sleeve.

- S-528586** For pedestal mounting, with bracket. each **\$13.81**
S-528587 For mounting on cable sleeve, with bracket. each **13.13**

Ⓑ Swagelok® Plastic Tubing Unions

Provides a leak-resistant, torque-free seal at all tubing connections.

- S-528540** 1/4-inch tube o.d. each **\$1.47**

Ⓒ Plastic Tube Fittings

- S-522287** Pipe Coupling, brass. 1/8-inch. For connecting male coupling to F valves. Package of 10. per 100 **\$6.32**
S-522425 Ferrule, plastic. 1/4-inch. Replacement ferrule. Package of 100. per 100 **5.37**

Ⓓ Universal Sheath Fittings

For use with resin compound cartridge for direct sheath injection. Package of 12.

- S-522430** For plastic sheathed cables. each **\$0.70**
S-522431 For permanent air tap on plastic and lead sheathed cables. each **.90**

Pressure Testing Valves and Caps

Provides pressure measuring and gas admission points for cable pressure testing. Valve stems and core with stainless steel spring; furnished assembled. Order caps separately.

Package of 5. Weight, 5 ounces.

- S-528650** Valve, Type C. per pkg. **\$0.94**
S-528653 Valve, Type F. per pkg. **1.19**
S-528655 Valve, Type H. per pkg. **1.19**
S-528660 Valve, Type P. per pkg. **1.09**
S-520759 Cap, Type M. per pkg. **.59**
S-520760 Cap, Type R. per pkg. **.30**

Oval Base Cycle Tire Valves

Base removable for insertion through valve hole. Stem screws into inserted base. External oval washer and nut clamps assembly air tight. 1 1/16 x 1 1/16 x 1 5/8-in. long. Box of 100.

- S-528670** per box **\$100.00**

Prices are subject to change without notice.

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CABLE SUPPLIES

Type B Pressure Plug Flanges

For attaching threaded nozzle of B Pressure Gun to lead sheathed cable. Consists of tin dipped body for soldering to cable sheath, and a screw for sealing the hole in body. Overall dimensions: $\frac{5}{8}$ -in. long, $\frac{1}{16}$ -in. diameter.

Package of 50 flanges, 60 screws. Weight, 1 pound.

S-522440.....per pkg. **\$5.94**

Types C and D Pressure Testing Flanges

Tin dipped bronze. Can be soldered to lead sheathed cable. Package of 25. Weight, $\frac{1}{2}$ pound.

Type C. Flange can be used with Type F valve stem or Type C flange plug.

Type D. Similar to Type C. Flange has $\frac{1}{8}$ -in. thread to screw in lead cable sheath or lead splicing sleeve.

S-522460 Type C.....per pkg. **\$1.57**

S-522461 Type D.....per pkg. **4.46**

Type C Pressure Testing Flange Plugs

Used with Types C or D flange. Bronze plug.

Package of 25. Weight, $\frac{1}{2}$ pound.

S-524553.....per pkg. **\$2.72**

Type B Pressure Testing Ells

For connecting $\frac{1}{4}$ -in. inside diameter lead or plastic tubing to lead sheathed cable or splice base.

Package of 10.

S-522381 Tinned cast brass with $\frac{1}{8}$ -in. male and $\frac{1}{8}$ -in. female threads. Weight, $\frac{1}{2}$ pound.....per pkg. **\$7.92**

S-522380 Tinned copper. $1\frac{5}{8} \times \frac{1}{2}$ -in. high. Weight, 4 ounces.....per pkg. **4.90**

Type B Screw Plugs

Tinned, headless brass screw for plugging holes in lead sheathed cable when pressure testing. Screwdriver slot in top. $\frac{1}{4}$ -in. diameter, $\frac{3}{16}$ -in. long.

Package of 50. Weight, $\frac{1}{4}$ pound.

S-524650.....per pkg. **\$1.49**

Cable Vents

For lead-sheathed aerial subscriber cable of 200 pair or less.

528713 Top vent.....each **\$.68**

528714 Bottom vent.....each **.35**

Cable Pressure Computer

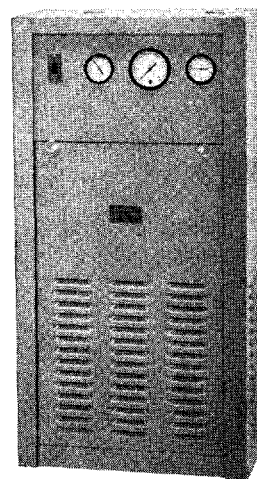
Performs mathematical computations and flow analyses required when pressurizing cable.

572398.....each **\$10.30**

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Prices are subject to change without notice.

Puregas Air Dryers



Model 1500

Model 8542

Rugged, lightweight, readily transportable. Designed as an indoor unit for intermittent operation over short periods of time. Can be quickly placed in use when a central office unit is out of service. Not intended for permanent installation. Unit can be used outdoors if suitable power and protection from weather are available.

POWER REQUIREMENT: 115 volts, single phase, 60 Hertz, 12 amperes.

SIZE: 17 in. wide, 14 in. deep, 22 in. high.

WEIGHT: 85 lbs.

DELIVERED AIR PRESSURE: 0 to 15 psig. (1 atm), adjustable.

CAPACITY: 2400 standard cu. ft. of dry air per day.

MAXIMUM OPERATING TEMPERATURE: 110°F.

MINIMUM OPERATING TEMPERATURE: 32°F.

Model 2000

An economical unit for the small office. Soundproofed cabinet and vibration-dampened compressor make this one of the quietest dryers available. Permanently lubricated, sealed bearings assure oil-free air.

POWER REQUIREMENT: 115 volts, 60 Hertz, 12 amperes/230 volts, 60 Hertz, 6 amperes.

SIZE: $17\frac{1}{2}$ in. wide, $20\frac{1}{4}$ in. deep, 50 in. high.

WEIGHT: 250 lbs.

DELIVERED AIR PRESSURE: 0-15 psig, adjustable.

CAPACITY: 1000 standard cu. ft. of dry air per day.

MAXIMUM OPERATING TEMPERATURE: 120°F.

MINIMUM OPERATING TEMPERATURE: -40°F.

Puregas Air Dryers (Cont.)

Model 1500

Used for pressurizing medium to large central offices and telephone exchanges.

POWER REQUIREMENT: 115 volt, single phase, 60 Hertz, 15 amperes.

SIZE: 23 in. wide, 15 in. deep, 44 in. high.

WEIGHT: 315 lbs.

DELIVERED AIR PRESSURE: 0 to 15 psig, adjustable.

CAPACITY: 1500 standard cu. ft. of dry air per day.

MAXIMUM OPERATING TEMPERATURE: 120°F.

MINIMUM OPERATING TEMPERATURE: 35°F.

Model 5000

For use in large central offices where the initial installation may include a considerable number of toll, trunk and exchange cables and where the pressurizing program may extend over a long period. Individual meter panels may be employed to monitor groups of similar cables, i.e., toll and trunk cables, and groups of exchange cables according to areas served or according to major conduit runs.

POWER REQUIREMENT: 220 volt, single phase, 60 Hertz, 13 amperes.

SIZE: 40 in. wide, 20½ in. deep, 58½ in. high.

WEIGHT: 950 lbs.

DELIVERED AIR PRESSURE: 0 to 15 psig, adjustable.

CAPACITY: 5000 standard cu. ft. of dry air per day continuously.

MAXIMUM OPERATING TEMPERATURE: 120°F.

MINIMUM OPERATING TEMPERATURE: 35°F.

8542	For intermittent operation.....each	\$895.00
2000	For small offices.....each	*
1500	For medium to large offices.....each	1595.00
5000	For large offices.....each	2495.00

NOTE: Meter panels and Poly-Cor tubing for use with Air Dryers must be ordered separately.

F.O.B. Copiague, New York

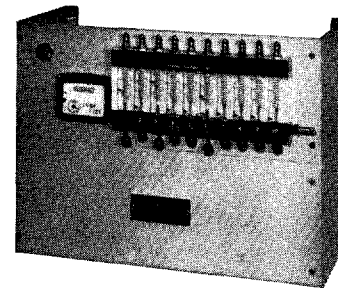
*Price on Application

Pressure Contactors

Pneumatically operated contactors monitor cable and emit an alarm should pressure fall below a predetermined level.

Ordering No.	For Mounting	Price Each
S-522220	On cable	\$20.70
S-522221	In buried cable terminal or manhole cable terminal	24.38
S-522222	On pole	22.77
S-522223	On strand	28.46

Puregas Meter Panels



For use with Continuous Feed Pressure Systems protecting communication cables from moisture entry. Pressure sources for these systems may be dry air from compressor dryers or cylinder nitrogen.

The Puregas Meter Panel is designed around two standard metering instruments—the Volume Recording Gas Meter and the Direct Reading Air Rate Indicator or Flow Meter. These instruments monitor the condition of large diameter cables close to the pressure source. They are not responsive to leaks in branch feeders located at considerable distances from the pressure source.

When cables with two different pressures are used, such as aerial and underground cables, a dual pressure panel should be included.

Basic meter panel instruments are on a cabinet-type frame. The panel is adaptable for wall mounting or on a standard 19-inch relay rack. For rack mounting, the sides are removed and the front panel attached directly to the rack frame. Brass fittings for Poly-Cor tubing included with each panel.

Dimensions: 19 in. wide, 8 in. deep, 14 in. high.

MP 25A-3	3 Indicators per Panel.....each	*
MP 25A-5	5 Indicators per Panel.....each	\$202.00
MP 25A-10	10 Indicators per Panel.....each	259.97
DP 25A	Dual Pressure Panel.....each	145.00

F.O.B. Copiague, New York

*Price on Application

Poly-Cor Tubing

For piping gas or dry air from the meter panel to individual cables. Available with 3, 5 or 10 color coded plastic tubes covered by a black vinyl sheath.

Ordering No.	No. Tubes per Harness	Tube O.D.	Price per Foot of Harness Length
PEC 431A	3	¼"	\$.90
PEC 431B	5	¼"	1.15
PEC 431C	10	¼"	1.70
PEC 432A	3	⅜"	1.15
PEC 432B	5	⅜"	1.70
PEC 432C	10	⅜"	2.25

F.O.B. Copiague, New York

Prices are subject to change without notice.

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