

WIRE & STRAND

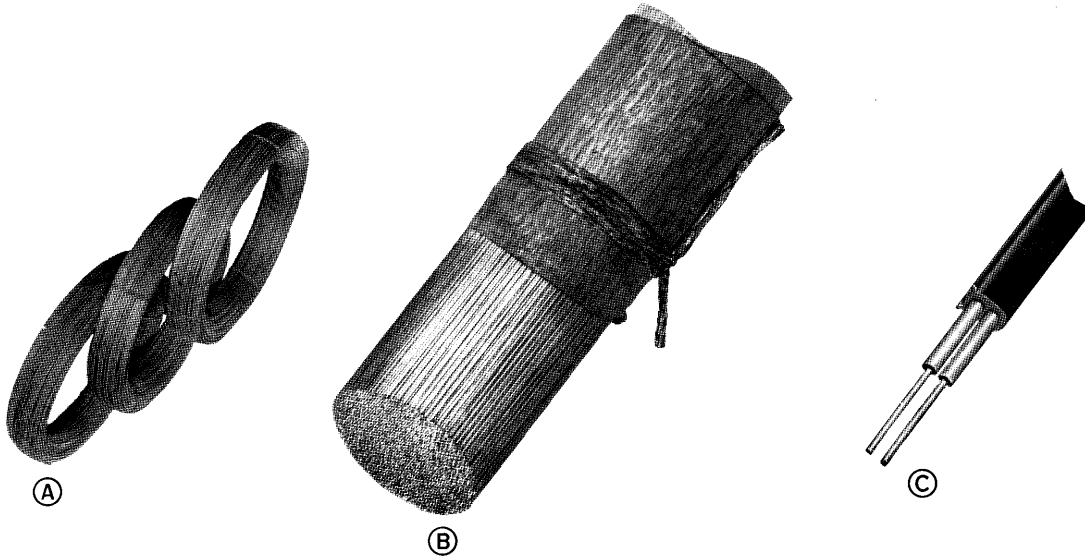
Strand	
Alumoweld	7
Galvanized Steel	7
Guy	7
Messenger	7
Wire	
Armored	4, 5
Bare	2
Bridle	3
Copper	2
Copper Covered Steel	3
Direct Burial	4, 5
Distribution	4, 5
Drop	3
Filled	5
Flat Station Wire System	6
Galvanized	2
Ground	4
Insulated	3-7
Jumper	4
Line	3, 4
Plastic Insulated	3, 4, 5
Service, Underground	4, 5
Station	3, 6
Tie	2
Underground	4, 5

GTE AUTOMATIC ELECTRIC

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

WIRE & STRAND

WIRE



(A) HIGH-TENSILE LINE WIRE

These high-tensile, low-resistance telephone line wires make possible longer-span, lower-cost construction on new lines; provide stronger spans, with lower maintenance expense, on present lines.

Galvanized by the Crapo process, which produces a heavy, dense, uniform coating of zinc that adheres tenaciously to the wire and provides dependable protection against corrosion. Galvanized steel compression-type sleeves are recommended.

Ordering No.	Size No. BWG	Crapo HTL-85		Coil Lgth. Mile	Price per 100 Lbs.
		Min. Breaking Load Lb.	Max. Resistance /Mile Ohms		
S-286109	12	793	34.12	1/2	\$43.35

Ordering No.	Size No. BWG	Crapo HTL-135		Approx. Lgth. per Coil Feet	Price per 100 Lbs.
		Min. Breaking Strength Lbs.	Resistance per Mile Ohms		
S-287109	12	1213	38.23	4659	\$47.65

GALVANIZED TIE WIRE

No. S-538623 for use in making standard horseshoe ties.
Nos. S-538624 and S-538621 for use with Nos. S-537371 and S-537369 Tie Splints.
No. S-538620 for use with No. S-537370 Galvanized Steel Pre-Tied Splint.

Ordering No.	Gauge	Lgth. In.	Approx. No. Pieces	Price per 100 Lbs.
S-538623	12 BWG (.109")	14	675	\$50.40
S-538624	12 BWG (.109")	30	620	49.05
S-538620	13 BWG (.095")	18	1390	52.65
S-538621	13 BWG (.095")	30	835	50.80

COPPER COVERED STEEL LINE WIRE

Ordering No.	Conductor Type	Breaking Strength Lbs.	Ohms per Loop Mile	Price per 100 Lbs.
S-283080	E.H.S. 30% Cond.	900	1100	\$90.90
S-285104	E.H.S. 40% Cond.		800	100.55

Bare wire sold F.O.B. Warehouse or F.O.B. Destination.

(B) COPPER TIE WIRE

Ordering No.	Gauge	Length Inches	Price
S-538611	10 AWG or 12 NBS	22	POA*

BARE COPPER LINE WIRE

Supplied in soft, medium, hard or hard-drawn grades. Standard for toll line construction is hard-drawn grade; unless otherwise specified, this will be shipped on all orders.

Prices and ordering information available upon request.

WIRE



COPPER COVERED STEEL DROP WIRE

Alhaduct 18½ AWG conductors with minimum breaking strength of 210 lbs. each before insulating, max. 260 lbs. Maximum 24.5 ohms per 1000 feet at 68 degrees F.

Ordering No.	Type	Conductor Assembly	Coil Length Ft.	Price per Coil
(C) S-558497	N-182-PDCW	Parallel	1000	\$42.32
(D) S-558496	N-182-TDCW	Twisted	1000	44.62
(E) S-558493	†NR-182-PDCW	Reinforced	1000	37.39
(F) S-558495	NE-182-PDCW	Figure 8	1000	33.30
(G) S-558500	GT-7	Dumbbell	1200	44.80

†REA Listed.

ALPHADUCT NEOPRENE JACKET BRIDLE WIRE

Ordering No.	Type	Size AWG	Coil Length Ft.	Price per Coil
S-538522	N-202-CWB	20	500	\$18.66
†S-538520	N-202-TCWBF	20	500	18.66
S-538518	N-182-TCB	18	500	21.81

†NOTE: Red jacket, for fusing protection. Designed for use between open line wire and drop wire as a fuseable connection for lightning and high voltage protection.

ALPHADUCT REA APPROVED STATION WIRE

Jacket color is beige.

Ordering No.	Type	Size AWG	No. Cond.	Coil Length Ft.	Price per Coil
S-558544	REA-JS-223-TIO	22	3	500	\$10.48

POLYETHYLENE INSULATED BRIDLE WIRE

Alhaduct twisted-pair, made to meet REA Spec. PE-19. Conductors of S-538523 are copper-steel; those of S-538516 are copper.

Ordering No.	Type	Size AWG	Coil Length Ft.	Price
S-538523	P-202-TCWB	20/2	500	POA*
S-538516	P-142-TCB	14/2	500	\$60.42 per 1000 ft.

ALPHADUCT PLASTIC-JACKETED STATION WIRE

Beige colored insulation protects conductors.

Ordering No.	Type	Size AWG	No. Cond.	Coil Length Ft.	Price per Coil
S-558530	JS-222-TIO	22	2	500	\$9.41
S-558531	JS-223-TIO	22	3	500	10.91
S-558536	JS-224-TIO	22	4	500	13.45

ALPHADUCT PAIRED STATION WIRE

Available with two, three, and four color-coded pair, and with tough, beige-colored plastic jacket that resists weather and mechanical damage. For both inside and outside use.

Ordering No.	Type	Size AWG	No. Pair	Coil Length Ft.	Price per Coil
S-558532	J-224-PIO	22	2	500	\$19.06
S-558534	J-226-PIO	22	3	1000	52.69
S-558535	J-228-PIO	22	4	1000	70.36

*Price on Application

WIRE & STRAND

ARMORED UNDERGROUND DISTRIBUTION AND SERVICE WIRE



Has two copper conductors, one bare, one tinned for polarity identification. High-dielectric polyethylene insulation resists sunlight, low temperatures and moisture. Internal steel strip armor provides mechanical protection and shielding.

Ordering No.	Type	Size AWG	Price per 1000 Ft.
S-271901	VA-192-PBC	19	\$75.65

ALPHA-C POLYETHYLENE-INSULATED LINE WIRE



A single-pair, self-supporting line wire, for economical rural service. Recommended for laterals branching from open wire or through trees. Its parallel, extra-high-strength conductors are insulated with outdoor-grade polyethylene. Excellent weather and moisture-resistance, low capacitance and attenuation permits long spans.

Ordering No.	Type	Size AWG	Breaking Load Lbs.	Price per 1000 Ft.
S-272401	P-142-PLCW	14 Copperweld	1100	\$46.62
S-272201	P-122-PLCW	12 Copperweld	1800	62.72

ALPHADUCT JUMPER WIRE



Annealed tinned copper conductors insulated with semi-rigid thermoplastic. Clear, bright colors on conductors, high dielectric strength, and marked resistance to deformation, insulation shrink back, abrasion, flame, moisture and chemicals.

Ordering No.	Type	Size AWG	No. of Cond.	Color	Coil Length Ft.	Price per Coil
S-798710	VN-221-C	22	Single	Black	1000	\$7.40
S-798711	VN-221-C	22	Single	Blue	1000	7.40
S-798712	VN-221-C	22	Single	Red	1000	7.40
S-798713	VN-221-C	22	Single	White	1000	7.40
S-798714	VN-222-TC	22	Twisted Pair	Red-White	1000	14.63
S-798722	VN-222-TC	22	Twisted Pair	Black-White	1000	14.63
S-798715	VN-222-TC	22	Twisted Pair	Red-White	3000	43.89
S-798716	VN-223-TC	22	Triplex	Red-White-Blue	1000	22.03
S-798717	VN-223-TC	22	Triplex	Red-White-Blue	2000	44.06
S-798721	VN-223-TC	22	Triplex	Red-White-Black	1000	22.03
S-798718	VN-224-TC	22	Quad	Red-White-Blue-Black	500	14.69
S-798719	VN-224-PC	22	Quad, 2 Pair	Black-White/Red-Green	500	14.69

ALPHADUCT GROUND WIRE

A single, soft-drawn copper conductor, insulated with thermoplastic, for grounding protectors and terminals.

Ordering No.	Type	Size AWG	Color	Coil Length Ft.	Price per Coil
S-558505	†V-141-CT Solid-Tinned	14	Beige	500	\$14.13
S-558504	V-101-CT Solid-Tinned	10	Beige	500	31.84
S-529546	V-61-C Solid-Untinned	6	Beige	500	88.06

†REA Listed.

DIRECT BURIAL WIRE

(A) ALPHADUCT TWO PAIR SERVICE WIRE

Thermoplastic-insulated. For buried service entrances, direct from pole or underground cable pedestal. Steel strip shield provides gopher protection.

Ordering No.	Type	AWG	Std. Pkg.	Price
S-558512	GVA-204-TSCW	20	5000' reel	\$408.08
S-558513	GVA-204-TSCW	20	1000' coil	81.62

(B) ALPHADUCT TWISTED PAIR DISTRIBUTING WIRE

Copper conductors, rubber-insulated, jacketed with Neoprene. S-558490 and S-538560 are for aerial and on-the-ground emergency use; S-558489 is for direct burial.

Ordering No.	Type	AWG	Coil Length Ft.	Price
S-558490	N-162-TOC	16	1000	POA*
S-538560	N-142-TOC	14	750	\$72.09
S-558489	N-142-TOC-DB	14	750	108.41

coil per 1000 ft.

(C) ALPHADUCT MULTI-PAIR DISTRIBUTION CABLE

Solid copper conductors, paired and color-coded. Protected by helical armor and polyethylene jacket, marked for footage.

Ordering Type	No. Pairs	AWG	Reel Length Feet	Price per 1000 Ft.
203203	3	22	6000	\$112.55
203206	6	22	6000	143.10
203212	12	22	6000	211.25
203903	3	19	6000	141.65
203906	6	19	3000	201.20
203912	12	19	3000	301.55

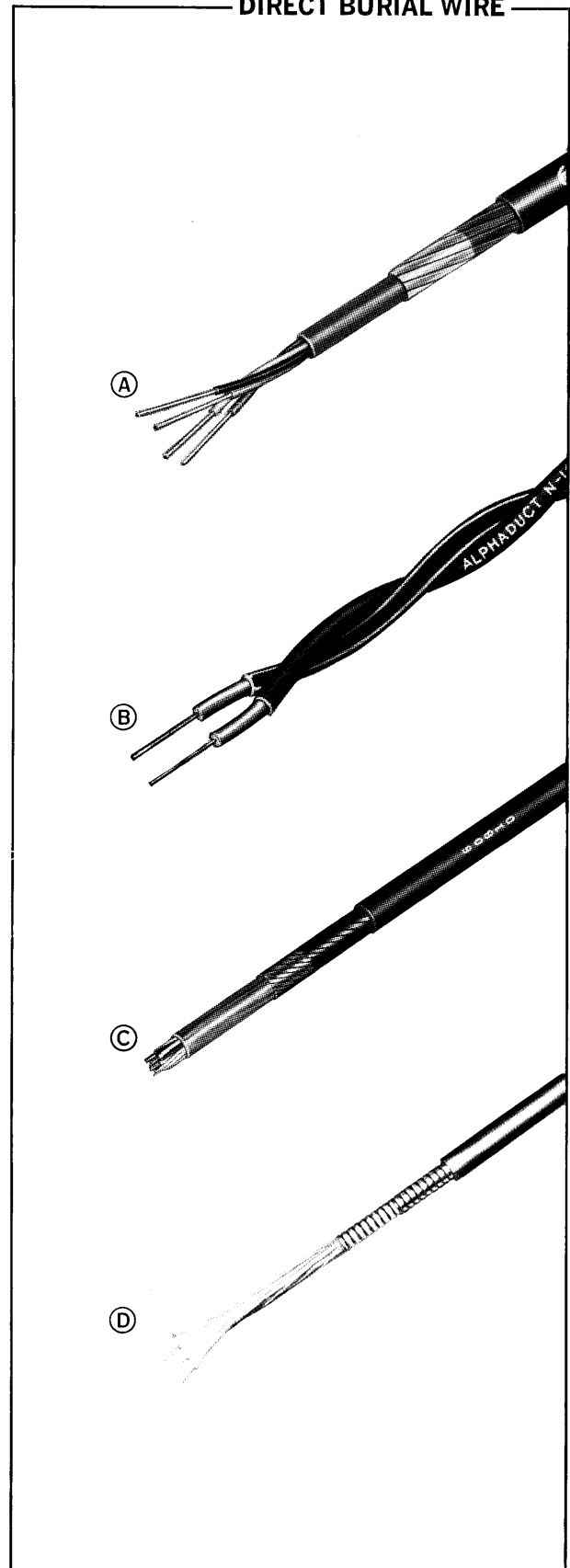
FILLED WIRES

For direct burial, service and distribution applications. Copper conductors, insulated with polyethylene, protected by filled plastic jacket. Jacket of FV-224-PBC and FVA-224-PBC is PVC; jacket of FBD-224-PBC and FBD-194-PBC is polyethylene.

Ordering No.	Type	No. Pr.	AWG	Strip Armor	Appli- cation	Coil Length, Ft.	Price Per Coil
.....	FV-224-PBC	2	22	No	S	5000	\$260.38
.....	FVA-224-PCB	2	22	Yes	S	5000	419.57
(D) 271954	FBD-224-PBC	2	22	Yes	S&D	6000	463.13
(D) 271953	FBD-194-PBC	2	19	Yes	S&D	6000	597.66

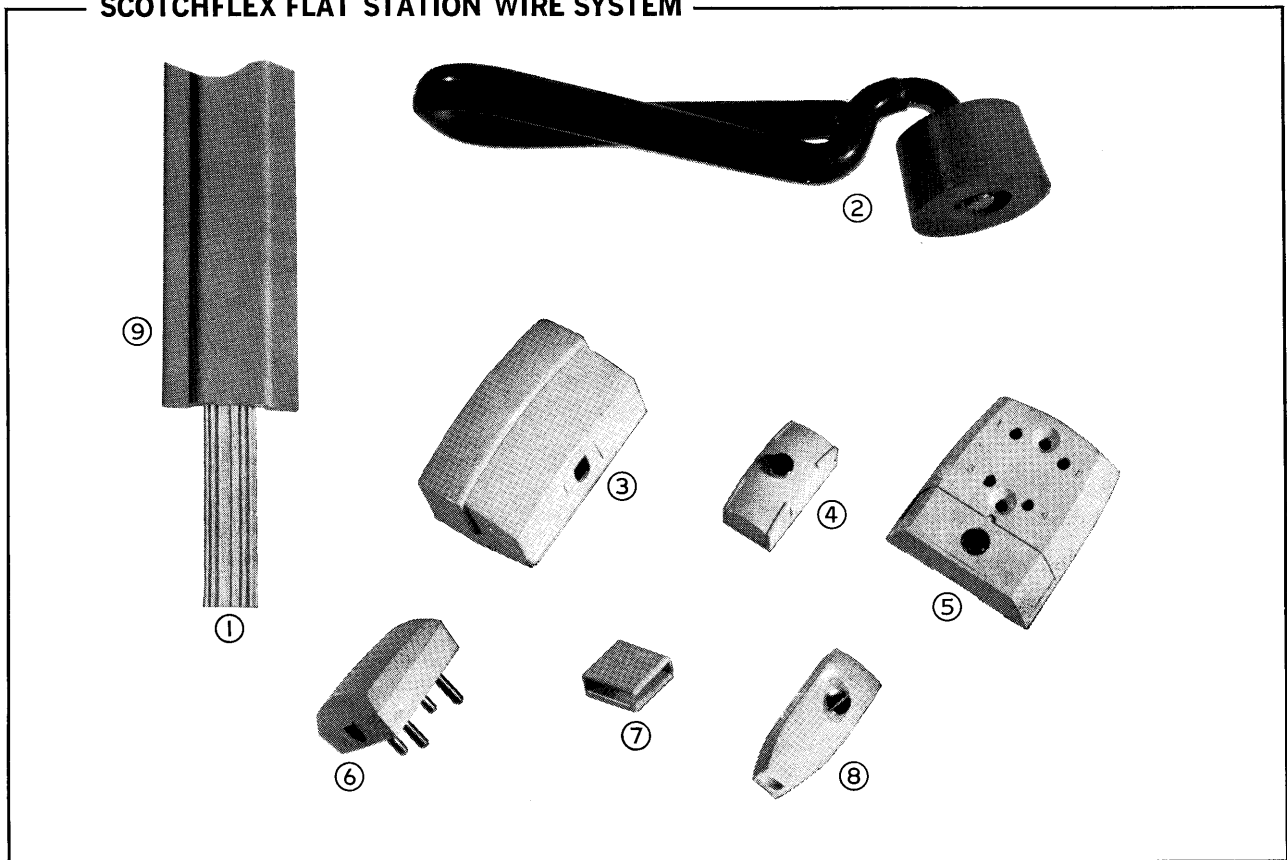
S=Service D=Distribution

*Price on Application



WIRE & STRAND

SCOTCHFLEX FLAT STATION WIRE SYSTEM



Components

Telephones can now be installed with station wire that is practically invisible. If desired, all wire components can be painted with standard indoor paint.

Flat station wire is easily installed on ceramic or plastic tile, concrete or cinder block, porcelainized steel, plaster, or wood grain. There is no need to use nails or staples. All components have pressure-sensitive adhesive on the back.

Splices, transitions, and connections are made swiftly and surely because of the self-stripping "U-Element" connecting principle that is employed. As a screw is tightened, the metal fingers of the element remove the insulation and grip the conductors, providing a mechanically strong and electrically efficient joint.

- ① **Flat Wire:** 4-conductor, 26-ga. vinyl-insulated wire with pressure-sensitive adhesive. Just apply it like tape.
- ② **Hand Roller:** Used to assure positive contact.
- ③ **Terminal:** For terminations and splices.
- ④ **Tap Connector:** Used to make splices and bridge taps.
- ⑤ **Jack:** Outlet for telephone. Accepts std. 4-prong plugs.
- ⑥ **Plug:** For telephone. Fits jack ⑤
- ⑦ **Corner Cover:** Assures neat installation at corners.
- ⑧ **Transition Connector:** Connects regular station wire to flat wire.
- ⑨ **Floor Cover:** Protects flat wire installed on floor. Has pressure-sensitive foam backing.

Ordering No.	Color	Description	Std. Pkg.	Price
S-558533	Ivory	Flat Station Wire (in 100 foot rolls)	1 roll	\$8.70 roll
S-550518	Ivory	Terminal	1	1.88 each
S-551075	Ivory	Tap-Connector	10	.85 each
S-553613	Ivory	Jack	1	2.02 each
S-551108	Ivory	Corner Cover	10	1.19 each
S-551076	Ivory	Transition Connector	10	1.21 each
.....	Ivory	Plug	1	1.25 each
S-551132	Gray	Floor Cover (In 4 Ft. Sections)	10 sections	1.69 each
S-577405	Hand Roller	1	2.21 each

NOTE: All items available in gray on special order.

CRAPO GALVANIZED STEEL STRAND



For messenger strand and for pole guying. Crapo Galvanized Steel Strand offers maximum dependability and long life.

All wire used in forming a particular size and grade is produced from steel of selected properties, scientifically processed under laboratory supervision and galvanized by heavy, uniform zinc coatings. Both wire and strand are subjected to laboratory tests for tensile strength, elongation, galvanizing, ductility and gage to insure high uniform quality in the finished product.

Because of the combination of these important features and because each grade is designed and produced for special service, Crapo Galvanized Steel Strand offers true economy.

UTILITIES GRADE

Class A

Ordering No.	Nominal Diameter Strand Inches	Minimum Breaking Strength Pounds	Std. Pkg. Feet	Price per 1000 Ft.
S-526914	5/16	6,000	5,000 (reel)	\$97.24
S-526918	3/8	11,500	2,500 (reel)	139.58
S-526919	3/8	11,500	5,000 (reel)	139.58

EXTRA HIGH STRENGTH

Class A

Ordering No.	Nominal Diameter Strand Inches	Minimum Breaking Strength Pounds	Std. Pkg. Feet	Price per 1000 Ft.
S-526921	1/4	6,650	500 (coil)	\$73.93
S-526923	1/4	6,650	2,500 (reel)	71.07
S-526924	1/4	6,650	5,000 (reel)	71.07
S-526926	5/16	11,200	500 (coil)	100.42
S-526928	5/16	11,200	2,500 (reel)	96.54
S-526929	5/16	11,200	5,000 (reel)	96.54
S-526931	7/16	20,800	250 (coil)	186.02
S-526934	7/16	20,800	2,500 (reel)	186.02
S-526935	7/16	20,800	5,000 (reel)	186.02
S-526936	1/2	26,900	250 (coil)	POA*
S-526939	1/2	26,900	2,500 (reel)	POA*

Class C

S-526975	1/4	6,650	5,000 (reel)	89.86
S-526985	5/16	11,200	5,000 (reel)	130.18
S-526990	7/16	20,800	5,000 (reel)	234.34

*Price on Application

ALUMOWELD GUY AND MESSENGER STRAND

Type M guy and messenger strand feature the high strength of steel protected by a rustproof coat of pure aluminum.

Alumoweld is one of the rare products which is low in cost both in the short run and in the long run. It should not be confused with hot dip aluminum covered steel in which the coatings are thin and contain iron contaminants.

Prices and ordering information available upon request.