

# WIRE & CABLE



## **DELIVERING DEPENDABILITY**

## FOR MORE THAN A HALF CENTURY

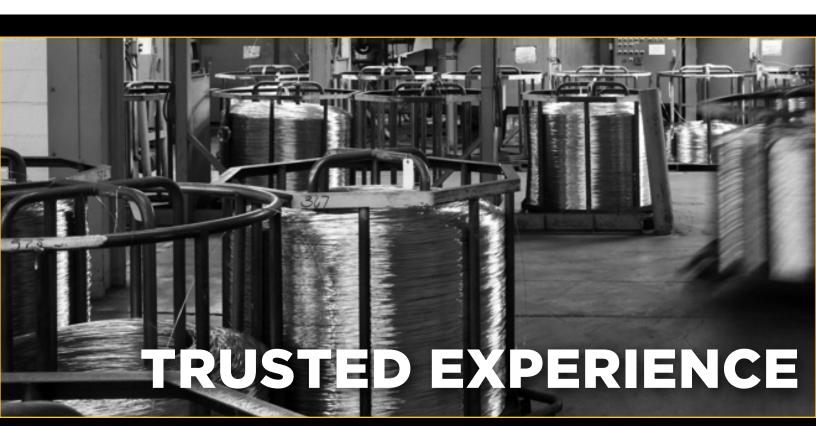
Kalas is a **full-service manufacturer** with more than 60 years of experience. We are strategically positioned to deliver **unprecedented quality cable** & **value-add solutions** to the power and utility market.



## OFFERING YOU COLLABORATIVE SOLUTIONS

REINFORCING OUR POSITION AS A PROVEN PARTNER YOU CAN RELY ON.

- MARKET LEADER
- FULLY-INTEGRATED MANUFACTURER
  - DEPENDABLE PARTNER



WE OFFER YOU

# **SUPERIOR**

**MATERIAL CONTROL** 

Through Owning Each Stage of Production.

#### **DRAWN COPPER**

fabricated from 5/16" copper rod

**40+ MILLION POUNDS** of copper processed annually

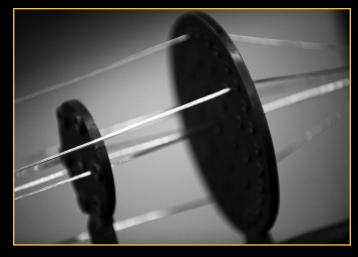
15 STATE-OF-THE-ART extrusion lines

**CUSTOM & COMPETITIVE** 

value-add solutions

Manufacturing Quality Cable You Can Trust.

STRATEGIC VERTICAL INTEGRATION











# UTILITY

## **WIRE & CABLE**

## **CUSTOMER CENTRIC ORDER FULFILLMENT**

- Make to Order with aggressive lead times
- Buy from Stock for immediate delivery
- Custom stocking programs to drive market share growth and win new business





## **COAST TO COAST FULFILLMENT**

- Stock located in Pennsylvania
- Expedited services for last minute or emergency requirements

## **CUSTOMIZATION**

- Choose indent or ink custom print legend
- Custom packaging options
- Marketing services available to help grow your brand







## **CLEAR GROUNDING CABLE**

DESIGNED FOR TEMPORARY GROUNDING FOR DE-ENERGIZED OVERHEAD ELECTRICAL LINES AND DE-ENERGIZED ELECTRICAL EQUIPMENT.



## **CLEAR GROUNDING CABLE**

- Highly flexible stranded No. 30 bare copper conductor
- Clear high grade RoHS compliant 105°C PVC insulation ensures ability to see stranding and identify breaks
- Meets temperature range and flame retardancy of ASTM F-855, Type III
- Heavier jacket walls provide extra protection from the environment:
  - Superior operating temperature range of -40°C
     exceeding ASTM F-855 and up to 105°C exceeding ASTM F-855 Type III
  - PermaPrint™, indent print that lasts a lifetime and will not wear off
    - Standard Print (example): UtiliFlex™ 2/0 AWG GROUNDING CABLE ASTM F855 COPPER 600V MADE IN USA
- · Special packaging and custom ink-jet print available



## **CLEAR GROUNDING CABLE**





#### **FEATURES**

- Superior flexibility ensures ultimate ease of use.
- Clear PVC jacket ensures ability to see copper stranding and identify breaks.
- Jacket meets the operating temperature range and flame retardancy of ASTM F-855 Type III.
- Heavier jacket walls provide extra protection for copper conductor.
- Excellent cold weather properties to -40°C exceeding ASTM F-855.
- Superior maximum operating temperature range up to 105°C exceeding ASTM F-855 Type III.
- Special and packaging are available upon request.
- Standard indent print with custom inkjet print available upon request.



#### **APPLICATIONS**

 Temporary grounding for de-energized overhead electrical lines and de-energized electrical equipment.

#### CONSTRUCTION

Highly flexible stranded No. 30 bare copper conductor insulated with a high grade RoHS compliant 105°C clear PVC jacket.







GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		STANDARD PACKAGE	SHIPPING WEIGHT ~LBS/ 1000 FT.
		in	mm	in mm			
2	7/95/.010	0.110	2.79	0.530	13.46	500 or 1000	287
1/0	19/56/.010	0.127	3.23	0.650	16.51	500 or 1000	445
2/0	19/70/.010	0.127	3.23	0.700	17.78	500 or 1000	545
3/0	19/88/010	0.142	3.61	0.784	19.91	500 or 1000	684
4/0	19/111/.010	0.142	3.61	0.850	21.59	500 or 1000	839



# **UTILIFlex**<sup>m</sup>

## TPE GROUNDING CABLE

DESIGNED FOR TEMPORARY GROUNDING FOR DE-ENERGIZED OVERHEAD ELECTRICAL LINES AND DE-ENERGIZED ELECTRICAL EQUIPMENT.

410 alle

GROUNDING CABLE ASTM F855 COPPER

## TPE GROUNDING CABLE

- Highly flexible stranded No. 30 bare copper conductor
- High grade RoHS compliant 105°C TPE insulation
- Black and yellow jacket colors available
- Meets temperature range of ASTM F-855, Type I
- Excellent operating temperature range of -40°C to 105°C
- Superior flexibility in cold weather
- Special packaging and custom print available
- Standard Print (example): UtiliFlex™ 2/0 AWG GROUNDING CABLE ASTM F855 COPPER 600V MADE IN USA







910 Ama



#### **FEATURES**

- Excellent operating temperature range from
   -40°C to 90°C (105°C available upon request), surpasses requirements of ASTM F-855 Type III.
- Superior flexibility in cold weather.
- Indent and ink jet print available.
- Custom print available upon request.
- Special packaging available upon request.

#### **APPLICATIONS**

 Temporary grounding for de-energized overhead electrical lines and de-energized electrical equipment.

#### **CONSTRUCTION**

Highly flexible stranded No. 30 bare copper conductor insulated with a high grade 90°C TPE jacket.





GAUGE	UGE STRANDING		INSULATION THICKNESS		AL O.D.	STANDARD PACKAGE	SHIPPING WEIGHT ~LBS/ 1000 FT.	
		in	mm	in mm				
2	7/95/.010	0.090	2.29	0.493	12.52	500 or 1000	271	
1/0	19/56/.010	0.090	2.29	0.576	14.63	500 or 1000	394	
2/0	19/70/.010	0.100	2.54	0.646	16.41	500 or 1000	516	
3/0	19/88/.010	0.100	2.54	0.700	17.78	500 or 1000	648	
4/0	19/111/.010	0.100	2.54	0.770	19.56	500 or 1000	784	

Lancaster, PA 17601





## 90°C NON-SHIELDED JUMPER CABLE



- HIGH QUALITY CABLE WITH PROVEN PERFORMANCE
- DEPENDABLY MANUFACTURED TO ASSURE USER SAFETY
- SUPERIOR FLEXIBILITY FOR EASE OF USE
- DURABLE JACKET FOR CABLE LONGEVITY & PEACE OF MIND

#### **FEATURES**

- ASTM F2321 Flexible and Rigid Insulated
   Temporary By-Pass Jumpers
- EPR CV-cured jacket resists abrasion, heat, moisture, and O-zone
- Annealed copper stranding is extra flexible
- Low temperature performance to -60°C per NEMA WC71
- Water resistant
- Standard Color: Orange
- Standard Print (example): UtiliFlex™ 2/0 AWG
   15KV JUMPER ASTM F2321 --- MADE IN USA
- Custom print and custom colors available upon make-to-order request
- 3rd party performance tested

#### **APPLICATIONS**

 Suitable as a temporary flexible power cable for temporary By-Pass connections.

#### CONSTRUCTION

Conductor: Annealed Flexible Bare Copper per ASTM B3 & ASTM B172 or Tinned Copper per ASTM B33 & ASTM B172

**Separator:** Semi-conductive tape separator between the copper and ERP Insulation

**Insulation:** Thermoset Ethylene-Propylene Rubber

(EPR) as outlined in ANSI/NEMA WC-71





## 90°C NON-SHIELDED JUMPER CABLE

#### **15KV**

GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		STANDARD PACKAGING	APPROX. WGT/1000'	APPROX. SHIP WGT 500' REEL	REEL
		in	mm	in	mm				
2ga 15kV	7/95/010"	0.215	5.461	0.772	19.609	500	426	228	24X16X8 PF
1/0 15kV	19/56/010"	0.215	5.461	0.857	21.768	500	582	315	30X12X12 PF
2/0 15kV	19/70/010"	0.215	5.461	0.907	23.038	500	679	391	30X16X13
4/0 15kV	19/111/010"	0.215	5.461	1.035	26.289	500	981	553	32X16X13

### **25KV**

GAUGE	STRANDING	INSULATION THICKNESS				STANDARD PACKAGING	APPROX. WGT/1000'	APPROX. SHIP WGT 500' REEL	REEL
		in	mm	in	mm				
1/0 25kV	19/56/010"	0.289	7.341	1.007	25.578	500	711	418	32X16X13
2/0 25kV	19/70/010"	0.289	7.341	1.055	26.797	500	808	466	32X16X13
4/0 25kV	19/111/010"	0.289	7.341	1.177	29.896	500	1,144	634	36X16X13

## **35KV**

GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		STANDARD PACKAGING	APPROX. WGT/1000'	APPROX. SHIP WGT 500' REEL	REEL
		in	mm	in	mm				
1/0 35kV	19/56/010"	0.385	9.779	1.198	30.429	500	899	518	36X16X13

## **TRACER WIRE**





#### **FEATURES**

- Temperature rating is -65°C to 75°C with 30 Volts or 600 Volts
- Available with UL labeling and print
- Direct burial
- Custom print available upon request
- Sunlight resistant
- Other stranding available upon request

#### **APPLICATIONS**

 Single conductor constructions for use in direct burial applications where you may need to locate piping using the wire.

#### CONSTRUCTION

Solid bare copper conductor insulated with Linear Low Density Polyethylene to form a durable tracer wire.

## **TRACER WIRE**



#### SOLID BARE COPPER TRACER WIRE INSULATED WITH LINEAR LOW DENSITY POLYETHYLENE

GAUGE	STRANDING	INSULATION THICKNESS			ninal D.	STANDARD PACKAGE	SHIPPING WEIGHT ~LBS/ 1000 FT.
		in	mm	in	mm		
14	SBC 1/.0641"	0.030″	7.62	0.127″	32.26	1000	16
14	SBC 1/.0641"	0.045″	11.43	0.157"	39.88	1000	19
12	SBC 1/.0808"	0.030″	7.62	0.144″	36.58	1000	25
12	SBC 1/.0808"	0.045″	11.43	0.174″	44.20	1000	28
10	SBC 1/.1019"	0.030″	7.62	0.165″	41.91	1000	37
10	SBC 1/.1019"	0.045"	11.43	0.195″	49.53	1000	40



## LOCATIONS

Kalas has facilities around the country; from Denver & Lancaster, PA to warehouses in the central and western states. With four manufacturing facilities, two value-add locations, a corporate headquarters and a conference center, Kalas is able to ensure integration during all stages of the production process as well as offer customers superior service with a wide range of capabilities.



#### **MAILING ADDRESS & CORPORATE OFFICES**

167 Greenfield Road, Lancaster, PA 17601
Corporate Offices and Engineered Terminated Battery Cable Division



## KALAS CORPORATE (KC)

**80 Denver Road, Denver, PA 17517**Velocity Center and Corporate Offices



#### **PLANT #1 (K1)**

**25 Main Street, Denver, PA 17517**Copper Rod Mill



#### **PLANT #2 (K2)**

**86 Denver Road, Denver, PA 17517**Insulation Extrusion, Value-Add Assemblies

#### WAREHOUSE LOCATION

**Tulsa Warehouse** 

1810 East Jasper St. Tulsa, Oklahoma 74110

Available Everywhere You Need Us WWW.KALASWIRE.COM

## PRODUCTS AT A GLANCE

Products listed are common Kalas products; other products are available upon request. Please contact sales or customer service for your special requests.



#### MACHINE TOOL WIRE (MTW), TEW & TR

MTW TEW TR32 **TR64** PVC 90°C PVC 105°C PVC 90°C PVC 90°C 600 Volts 600 Volts 1400 Volts 600 Volts #18 - 500 MCM #18 - 500 MCM #18 - #10 #18 - #14

#### UTILITY

#### UTILIFLEX™ GROUNDING CABLE

PVC or TPE -40°C – 90°C 600 Volts 2 – 4/0 gauge

#### UTILIFLEX™ JUMPER CABLE

EPR (Thermoset Ethylene-Propylene Rubber ) 2ga, 1/0, 2/0, 4/0 15kV 1/0, 2/0, 4/0 25kV 1/0 35kV

#### TRACER (UL)

Polyethylene 30 or 600 Volts Bare Copper 16 – 14 AWG 10-14 AWG

#### **MISCELLANEOUS**

LOW ENERGY CIRCUT CABLE LLLECC/LOW VOLT

PVC 60°C -25°C 30 Volts Sunlight Resistant 10-14 AWG

#### TRANSFORMER LEAD WIRE

PVC 105° 14 – 4/0 gauge

#### SUBMERSIBLE PUMP CABLE

#### PVC FLAT PARALLEL PUMP WITH GROUND

75°C Dry 75° Wet 600 Volts 14 – 10 AWG 2 or 3 conductor with ground 8 AWG 2 or 3 conductor with # 10 ground 6 – 4 AWG 3 conductor with # 8 ground

#### PVC FLAT HEAVY DUTY PUMP WITH GROUND

75°C Dry 75° Wet 600 Volts 14 – 10 AWG 2 or 3 conductor with ground 8 AWG 3 conductor with # 10 ground 6 – 4 AWG 3 conductor with # 8 ground 2 AWG 3 conductor with #6 ground 1/0 - 2/0 3 conductor with #6 ground

#### PVC TWISTED PUMP WITH GROUND

75°C Dry 75° Wet 600 Volts 14 – 10 AWG 2 or 3 conductor with ground 8 AWG 2 or 3 conductor with # 10 ground 6 – 4 AWG 3 conductor with # 8 ground

#### TPE PUMP CABLE JACKETED (ICE BLUE)

TPE 90°C Dry 75°C Wet Low Temperature Rating -65°C 600 Volts 12/2 12/3 10/2 10/3 all with ground 8/3 with # 10 ground

#### **INDUSTRIAL POWER**

#### TOUGHFLEX™ EPDM WELDING CABLE

EPDM Rubber -50°C to 105°C 600 Volts #8 – 250 MCM

#### GENFLEX™ TYPE SC ENTERTAINMENT CABLE

CPE -50°C to 105°C 600 Volts #8 – 250 MCM NEC 520, 525, 530 UL 1680, CSA PPC 22.2 - 96, c(UL)

#### GENFLEX™ TYPE W PORTABLE POWER CABLE

CPE Jacket, EPDM insulation -40°C to 90°C Dry; 90°C Wet 2000 Volts #8 – 4/0 NEC 400, NFPA 70 UL 1650, CSA PPC 22.2 - 96 MSHA Flame Test Sunlight Resistant

#### FLEXWHIP™ WELDING CABLE

EPDM Rubber -50°C to 105°C 600 Volts #2 – 2/0

## 12 GAUGE/14 CONDUCTOR ENTERTAINMENT LIGHTING CABLE

PVC Jacket, PVC Inners -40°C to 105°C 600 Volts

#### 16/7 SEOOW STOOW ENTERTAINMENT LIGHTING CABLE

TPE Compound -50°C to 105°C 600 Volts

#### **APPLIANCE WIRE (AWM)**

#### PVC AWM UL

60°C or 105°C 300, 600 or 1000 Volts Moisture & Oil Resistant as applicable Flat or Round Multiple Conductor Also available 18 AWG – 500 MCM

#### **PVC AWM CSA**

60°C – 105°C Dry 75°C Wet 300 or 600 Volts Class I & II Group A & B Moisture and Oil Resistant available 18 AWG – 500 MCM

	SINGLE-CONDUCTOR, THERMOPLASTIC INSULATION											
1007	1041	1058	1235	1306	1338	1391	1731					
1011	1043	1059	1237	1307	1339	1392	10012					
1013	1045	1060	1239	1308	1340	1400	10070					
1015	1049	1120	1275	1312	1342	1401	10269					
1017	1050	1220	1276	1314	1343	1416						
1024	1051	1228	1277	1322	1344	1447						
1026	1053	1229	1278	1323	1345	1509						
1027	1054	1230	1279	1329	1383	1569						
1028	1055	1231	1280	1335	1384	1722						
1030	1056	1232	1283	1336	1389	1729						
1032	1057	1233	1284	1337	1390	1730						

		-	-	-	-		
	MULT	IPLE-COND	UCTOR, TH	IERMOPLAS	STIC INSULA	ATION	
2001	2037	2082	2164	2214	2254	2312	2493
2002	2038	2083	2174	2215	2255	2313	2501
2003	2039	2085	2175	2216	2257	2327	2502
2004	2040	2086	2176	2217	2261	2328	2516
2005	2041	2130	2182	2218	2271	2329	2517
2006	2042	2131	2183	2219	2272	2330	2532
2007	2043	2132	2184	2220	2273	2334	2535
2008	2044	2135	2185	2221	2274	2343	2549
2009	2045	2136	2186	2222	2275	2344	2570
2010	2046	2137	2187	2223	2276	2345	2571
2011	2047	2138	2188	2224	2277	2346	2574
2012	2048	2139	2189	2225	2278	2358	2576
2013	2049	2140	2190	2226	2279	2359	2584
2014	2050	2141	2191	2227	2280	2362	2586
2015	2051	2142	2192	2228	2281	2367	2587
2016	2052	2143	2193	2229	2282	2368	2589
2017	2053	2144	2194	2230	2283	2369	2598
2018	2054	2145	2195	2231	2284	2370	2614
2019	2055	2146	2196	2232	2285	2377	2626
2020	2056	2147	2197	2233	2286	2378	2630
2021	2057	2148	2198	2234	2287	2379	2631
2022	2058	2149	2199	2235	2288	2380	2637
2023	2059	2150	2200	2236	2293	2381	2653
2024	2060	2151	2201	2237	2294	2382	2654
2025	2061	2152	2202	2238	2295	2383	2655
2026	2062	2153	2203	2239	2296	2384	2656
2027	2063	2154	2204	2240	2297	2385	2660
2028	2064	2155	2205	2242	2298	2386	2661
2029	2065	2156	2206	2246	2299	2387	2662
2030	2066	2157	2207	2247	2300	2388	2668
2031	2067	2158	2208	2248	2301	2446	2679
2032	2068	2159	2209	2249	2302	2461	2704
2033	2069	2160	2210	2250	2303	2462	2709
2034	2070	2161	2211	2251	2304	2463	2881
2035	2080	2162	2212	2252	2305	2464	2088
2036	2081	2163	2213	2253	2308	2490	21124

SINGLE-CONDUCTOR, THERMOSET INSULATION										
3167	3182	3279	3284	3290	3295	3296	3297			
3298	3300	3311	3320	3478	3484	3526	3993			

## PRODUCTS AT A GLANCE

Products listed are common Kalas products; other products are available upon request. Please contact sales or customer service for your special requests.



#### **AUTOMOTIVE**

#### ALITO DLIDI EX

Inner Conductors PVC 80°C - 105°C Jacket PVC 80°C – 105°C 10/2 - 1/0-2 gauge

#### AUTO TRIPLEX

Inner Conductors PVC 80°C - 105°C Jacket PVC 80°C - 105°C 18/3 - 10/3 gauge

#### AUTO QUADRUPLEX

Inner Conductors PVC 80°C - 105°C Jacket PVC 80°C - 105°C 16/4, 14/4, 12/4 gauge

#### **BOOSTER DUPLEX CABLE**

PVC or TPE up to 105°C 10/2 - 1/0-2 gauge

#### BATTERY CABLE 60 VOLTS DC

PVC SGT 80°C or 105°C EPDM SGR 105°C or 140°C UL SGR 105°C (UL4127) XLPE SGX 125°C Meets SAE J1127 6 gauge - 4/0

#### PRIMARY WIRE 60 VOLTS DC

PVC GPT 80°C or 105°C PVC TWP 80°C Meets SAE J1128 18 - 8 gauge

#### MULTIPLE CONDUCTOR TRAILER CABLE

Inner Conductors PVC 80°C or 105°C TPE 105°C Low Temperature -40°C Jacket PVC or TPE 80°C or 105°C Low Temperature -40°C Mixed gauges; Made to customer specifications; No Kalas standard

#### **FLEXIBLE CORD**

#### 600V SERVICE CORD

ST, STO, STOO, STW, STOW, STOOW PVC Jacket, PVC Inners 60°C or 105°C -40°C 18 – 4 AWG; 2-4 conductors. Also available with greater than 4 conductors

#### 300V SERVICE CORD

SJT, SJTO, SJTOO, SJTW, SJTOW, SITOOW PVC Jacket, PVC Inners 60°C or 105°C -40°C 18 - 10 AWG; 2-4 conductors. Also available with greater than 4 conductors

#### 300V SERVICE CORD

SJE, SJEO, SJEOO, SJEW, SJEOW, SJEOOW TPE Jacket, PVC Inners 105°C -40°C or -50°C 18 – 10 AWG; 2-4 conductors Also available with greater than 4 conductors

#### 600V SERVICE CORD

SE, SEO, SEOO, SEOW, SEOOW TPE Jacket, TPE Inners 105°C -40°C or -50°C 18 – 4 AWG; 2-4 conductors Also available with greater than 4 conductors

#### **RV AND MOBILE HOME**

STW, STOW and STOOW: Please see Marine and Recreation

#### VACUUM CLEANER CORD

SVT PVC 60°C or 105°C 300 Volts 18/3 - 16/3 AWG 18/2 - 16/2 AWG

#### **CONSTRUCTION WIRE**

#### CATHODIC PROTECTION CABLE

High Molecular Weight Linear Low Density Polyethylene 600 Volts Available as UL Listed or non UL 12 gauge - 4/0

#### **UF-B WITH GROUND**

PVC/Nylon Conductors with PVC Jacket Sunlight Resistant 90°C 600 Volts 14 – 6 AWG

#### CATHODIC PROTECTION CABLE WITH KYNAR PVDF - POLYVINYLIDENE **FLUORIDE**

High Molecular Weight Linear Low Density Polyethylene 75°C 600 Volts 2 - 8 gauge

#### UNDERGROUND FEEDER WIRE (UF)

Sunlight Resistant 60°C Dry 60°C Wet 600 Volts 14 - 6 AWG

#### **MARINE / RECREATION**

#### BOAT CABLE SINGLE CONDUCTOR

PVC. 105°C Dry 75° Wet (BC5W2) 600 Volts 16 AWG - 4/0

#### **BOAT CABLE MULTI-CONDUCTOR FLAT**

105°C Dry 75° Wet (BC5W2) 600 Volts 18 - 4 AWG; 2-3 conductors

#### **BOAT CABLE MULTI-CONDUCTOR ROUND**

PVC 105°C Dry 75° Wet (BC5W2) 600 Volts 18 - 4 AWG Contact Sales for # of conductor's

#### MARINE BATTERY **CABLE SGT**

SAE 11127 PVC 105°C -40°C 60 Volts DC 6 gauge - 4/0

#### MARINE PRIMARY WIRF GPT

SAE J1128 PVC 105°C -40°C 60 Volts DC 18 – 8 gauge

167 Greenfield Road Lancaster, PA 17601

1810 East Jasper St. Tulsa, Oklahoma 74110

#### KALASWIRE.COM

P 717-336-5575