



WELDING & BATTERY CABLE

Bulk Reels, Assemblies & Value-Add Solutions

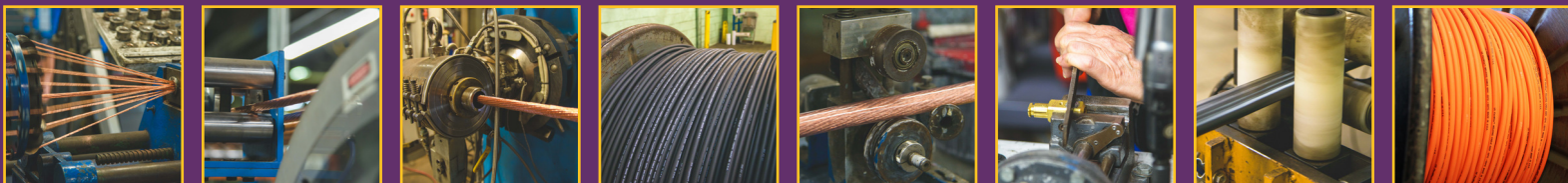


KALASWIRE.COM

DELIVERING DEPENDABILITY

FOR MORE THAN A HALF CENTURY

Kalas is a full-service manufacturer of copper wire & cable with over 60 years of experience. We are strategically positioned to deliver quality cable & value-add solutions to the welding, oil & gas markets.



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

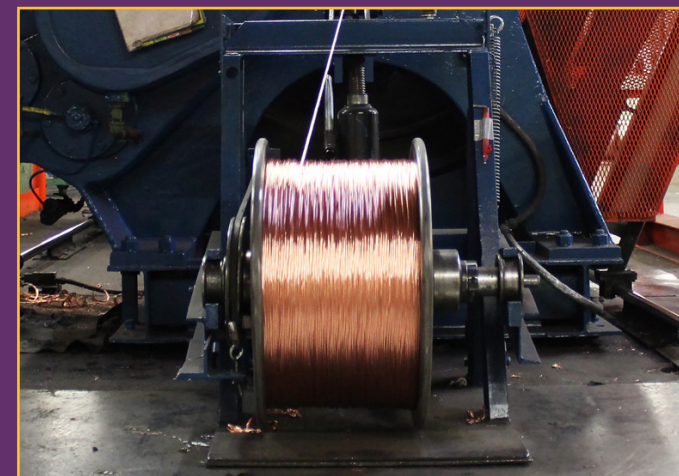
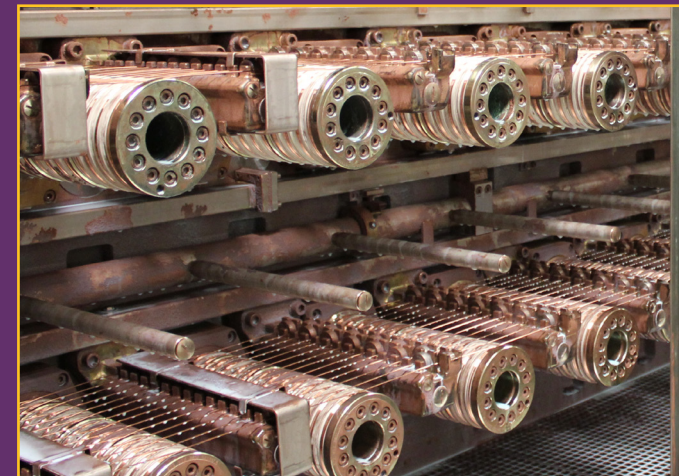
40+ MILLION POUNDS
of copper processed annually

15 STATE-OF-THE-ART
extrusion lines

CUSTOM & COMPETITIVE
value-add solutions

**Manufacturing Quality
Cable You Can Trust.**

STRATEGIC
VERTICAL INTEGRATION



ToughFlex™

Industry’s best selling welding cable.

ToughFlex™ is designed for all welding applications where a stinger/whip, leads and grounds are used.

Annealed 30 gauge bare copper offers maximum **flexibility**

EPDM jacket resists cuts, tears, abrasion, grease, oil, water and flame for optimal **durability**



AVAILABLE:

- #6 – 4/0 Black, Red, Yellow, Green, and Blue; 250MCM black only
- Stock 250 ft. and 500 ft. reels and standard 25, 50, or 100 ft. lengths
- Select colors & gauges carry MOQs & lead times

ToughFlex™ Welding Cable



SPECIFICATIONS:

GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		STANDARD PACKAGE	SHIPPING WEIGHT -LBS/ 1000 FT.
		IN	MM	IN	MM		
6	7/37/.010	0.060	1.52	0.320	8.13	1000	113
4	7/52/.010	0.060	1.52	0.348	8.84	1000	147
2	12/52/.010	0.060	1.52	0.420	10.67	500	236
1	12/65/.010	0.080	2.03	0.503	12.78	500	313
1/0	19/52/.010	0.080	2.03	0.533	13.54	500	378
2/0	19/65/.010	0.080	2.03	0.586	14.88	500	463
3/0	19/81/.010	0.080	2.03	0.625	15.88	500	563
4/0	19/106/.010	0.080	2.03	0.720	18.29	500	734
250 MCM	19/133/.010	0.100	2.54	0.815	20.70	500	962

WELDING CABLE AMPACITY GUIDE:

GAUGE	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'	350'
#6	100	100									
#4	150										
#2	200	150	100	100							
#1	250	200	150		100						
1/0	350	250	200	150		100	100				
2/0	400	300	250	200	150		100	100			
3/0	500	350	300	250	200	150	150			100	
4/0	550	450	350	300	250	200	200	150	150		100
250 MCM	1500	1000	600	500	400	300	200	250	200	200	150

*For intermittent use. Not for continuous use.

- **Highly Flexible**
Annealed 30 (0.010) gauge bare copper conductor, insulated with an EPDM jacket and paper separator
- **Durable Jacket**
Resists cuts, tears, abrasion, grease, oil, water, and flame
- **PermaPrint™ Indent Printing**
Customizable print that lasts a lifetime; available on all colors & sizes
- **Operating Temperatures**
Range from -50°C to +105°C (-58°F to + 221°F)
- **Rated to 600 Volts**
- **National Electrical Code**
article 630 electric welders
- **Colors**
Black, Blue, Green, Red, and Yellow jacket colors
- **Stock Lengths**
250 ft. and 500 ft. reels and standard 25', 50', and 100' lengths
- Cable meets the UL VW-1 flame test outlined in UL1581
- Sequentially marked
- Class K stranding
- SAE J1127 Stranding
- Available pre-assembled with connectors

ToughFlex™ cable is appropriate for any welding application that requires leads, grounds, and stinger/whips.

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

MADE IN USA

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

NOTE: Do not use for 600 volt in-line applications. Product for welding applications only. Specifications contained herein reflect current data and are subject to change. Values are nominal and/or approximate.

MADE IN USA
ISO 9001: 2015 CERTIFIED
ISO 14001: 2015 CERTIFIED

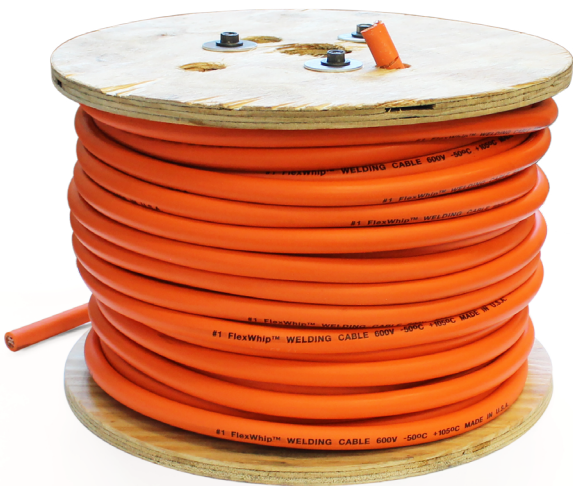
FlexWhip™

Industry's most flexible welding cable.

FlexWhip™ provides extra flexibility when needed where leads, stingers/whips, and grounds are used.

Annealed 34 gauge bare copper & paper separator offers *maximum flexibility*

Orange EPDM jacket resists cuts, tears, abrasion, grease, oil, water & flame for *optimal durability*



AVAILABLE:

- #2 - 2/0 stocked
- Stock 250 ft. reels and standard 25', 50', or 100' lengths

FlexWhip™ Welding Cable



- Industry's Most Flexible Welding Cable**
Highly flexible stranded, annealed 34 gauge bare copper conductor insulated with a high grade RoHS compliant EPDM. A paper separator is utilized to enhance stripability.
- Durable Jacket**
Resists cuts, tears, abrasion, grease, oil, water, and flame
- PermaPrint™ Indent Printing**
Customizable print that lasts a lifetime
- Operating Temperatures**
Range from -50°C to +105°C (-58°F to +221°F)
- Rated to 600 Volts**
- National Electrical Code**
article 630 electric welders
- Stock Lengths**
250' reels and 25, 50, or 100 ft. standard lengths
- Sizes**
#2 - 2/0
- Cable meets the UL VW-1 flame test outlined in UL1581
- Sequentially marked
- Class M stranding
- SAE J1127 Stranding
- Available pre-assembled with connectors

SPECIFICATIONS:

GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		STANDARD PACKAGE	SHIPPING WEIGHT -LBS/ 1000 FT.
		IN	MM	IN	MM		
#2	19/78/34	0.065	1.65	0.424	10.77	250'	235
#1	19/97/34	0.080	2.03	0.488	12.40	250'	300
1/0	19/123/34	0.080	2.03	0.532	13.51	250'	370
2/0	37/78/34	0.080	2.03	0.593	15.06	250'	455

WELDING CABLE AMPACITY GUIDE:

GAUGE	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'	350'
#2	200	150	100	100							
#1	250/300	200	150		100						
1/0	350	250	200	150		100	100				
2/0	400/450	300	250	200	150		100	100			

*For intermittent use. Not for continuous use.

The design of FlexWhip™ welding cable provides superior flexibility when needed where leads, stingers/whips, and grounds are used.

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

SOOW Power Cord

Portable control cord designed for heavy duty industrial use for indoor and outdoor applications.

S - SERVICE
OO - OIL RESISTANT INSULATED SINGLES AND JACKETING MATERIAL
W - WEATHER AND WATER RESISTANT



AVAILABLE:

- Stocked 250ft reels
- 8ga -12ga (3 or 4 conductor construction)
- Other Gauges and construction available upon request
- UL rated

SOOW Power Cord



- Highly Flexible**
Bare stranded copper conductor insulated with EDPM and jacketed with EDPM conforming to UL and CSA.
- Durable Jacket**
Resistant to oil, ozone, weather, sunlight and water
- Operating Temperatures**
Range from -40°C to + 90°C (-40°F to + 194°F)
- Rated to 600 Volts**
- National Electrical Code**
article 400
- Stock Lengths**
250 ft. reels
- Custom Lengths**
Available upon request
- Sizes**
10/3, 10/4, 8/3, 8/4, 6/3, 6/4
- UL 62 Flexible Cord;
CSA Standard 22.2 No. 49;
MSHA Approved;
RoHS Compliant

Heavy Duty Flexible Cord for indoor and outdoor use including industrial machinery appliances, heavy-duty tools, motors, and temporary indoor and outdoor electrical power and lighting.

SPECIFICATIONS:

PART NUMBER	GAUGE	STRANDING	INSULATION THICKNESS		NOMINAL O.D.		CURRENT AMPS	SHIPPING WEIGHT LBS./ 1000 FT.
			IN	MM	IN	MM		
530154.01.001	8/3	133/29	0.06	1.52	0.84	21.34	40	242
530155.01.001	8/4	133/29	0.06	1.52	0.945	24	35	299
530157.01.001	6/4	133/27	0.06	1.52	1.08	27.43	45	403
530156.01.001	6/3	133/27	0.06	1.52	0.98	24.89	55	510
530153.01.001	10/4	104/30	0.045	1.14	0.715	18.16	25	548
530152.01.001	10/3	104/30	0.045	1.14	0.66	16.76	30	721

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

MADE IN USA

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

NOTE: Do not use for 600 volt in-line applications. Product for welding applications only. Specifications contained herein reflect current data and are subject to change. Values are nominal and/or approximate.

MADE IN USA
ISO 9001: 2015 CERTIFIED
ISO 14001: 2015 CERTIFIED

RoHS: Kalas products are compliant with the requirements of the RoHS directive (2011/65/EU as amended).

Welding Connectors



- LC-10

LC-1040

LC-10MP

LC-40

LC-40HD

LC-70

LC-95

EG-200

EG-300

EG-500

“300”

“500”
- LPG-300

AF-2

AF-25

AF-3

AF-35

AF-50

HT-2

HT-25

HT-3

HT-35

HT-50



- 1-MPC

2-MPC

4-MPC

2-1MPC

2-WPC

4-WPC

SGC-300

SGC-500

FGC-300

FGC-500

GC-200

GC-300
- GC-500

A-532

A-316

A-316MC

A-38HD

A-532MC

A-732

A-732MC

WS300E

WS400E

WS350E

WS732

NOTE: Do not use for 600 volt in-line applications. Product for welding applications only. Specifications contained herein reflect current data and are subject to change. Values are nominal and/or approximate.

MADE IN USA
ISO 9001: 2015 CERTIFIED
ISO 14001: 2015 CERTIFIED

RoHS: Kalas products are compliant with the requirements of the RoHS directive (2011/65/EU as amended).

Assemblies



GROUND



LEAD



STINGER / WHIP

- **Available Pre-Assembled with Leads, Grounds, and Stingers/Whips.** Available with all highly flexible welding cable products
- **Lenco® and Tweco® connectors** stocked and readily available
- **Durable Jacket**
Resists cuts, tears, abrasion, grease, oil, water, and flame
- **Colors**
Black, Blue, Green, Red, and Yellow jacket colors available.
- **Lengths**
Come in standard 25', 50' and 100' lengths.
Custom lengths available.

Pre-assembled lead, grounds and stinger/whips are ready-to-use, saving you time and reducing labor hours.

STOCK ASSEMBLIES TWECO	ITEM #	DESCRIPTION
1/0	10T1050B3334	1/0 BLK, 50' LGTH, 2MPC MALE/FEMALE
1/0	10T1100B3334	1/0 BLK,100' LGTH, 2MPC MALE/FEMALE
2/0	20T1025B3334	2/0 BLK, 25' LGTH, 2MPC MALE/FEMALE
2/0	20T1050B3334	2/0 BLK, 50' LGTH, 2MPC MALE/FEMALE
2/0	20T1100B3536	2/0 BLK, 100' LGTH, 2MPC MALE/FEMALE
Stock Assemblies LENCO	Item #	Description
1/0	10T1050B0809	1/0 BLK, 50' LGTH, LC-40 MALE/FEMALE
1/0	10T1100B0809	1/0 BLK,100' LGTH, LC-40 MALE/FEMALE
2/0	20T1050B0809	2/0 BLK, 50' LGTH, LC-40 MALE/FEMALE
2/0	20T1100B0809	2/0 BLK, 100' LGTH, LC-40 MALE/FEMALE

WELDING CABLE AMPACITY GUIDE:

GAUGE	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'	350'
#6	100	100									
#4	150										
#2	200	150	100	100							
#1	250/300	200	150		100						
1/0	350	250	200	150		100	100				
2/0	400/450	300	250	200	150		100	100			
3/0	500	350/400	300	250	200	150	150			100	
4/0	550/600	450/500	350/400	300	250	200	200	150	150		100

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

NOTE: Do not use for 600 volt in-line applications. Product for welding applications only. Specifications contained herein reflect current data and are subject to change. Values are nominal and/or approximate.

MADE IN USA
ISO 9001: 2015 CERTIFIED
ISO 14001: 2015 CERTIFIED

RoHS: Kalas products are compliant with the requirements of the RoHS directive (2011/65/EU as amended).

Welding Assemblies

Come standard with genuine Lenco® or Tweco® components.



STINGER welding line that includes the electrode holder



WHIP stinger made with ultra-flexible orange FlexWhip™ cable



GROUND cable running from the machine to the grounding surface, which completes the welding circuit

LEAD cable that starts at the machine and ends with a connector

Choose Kalas for Welding Cable and Value-Add Solutions.

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

Contractor Cords

Comprehensive Portfolio of Industrial Grade Power Cords



12/3



10/3



8/3



TRIPLE TAP

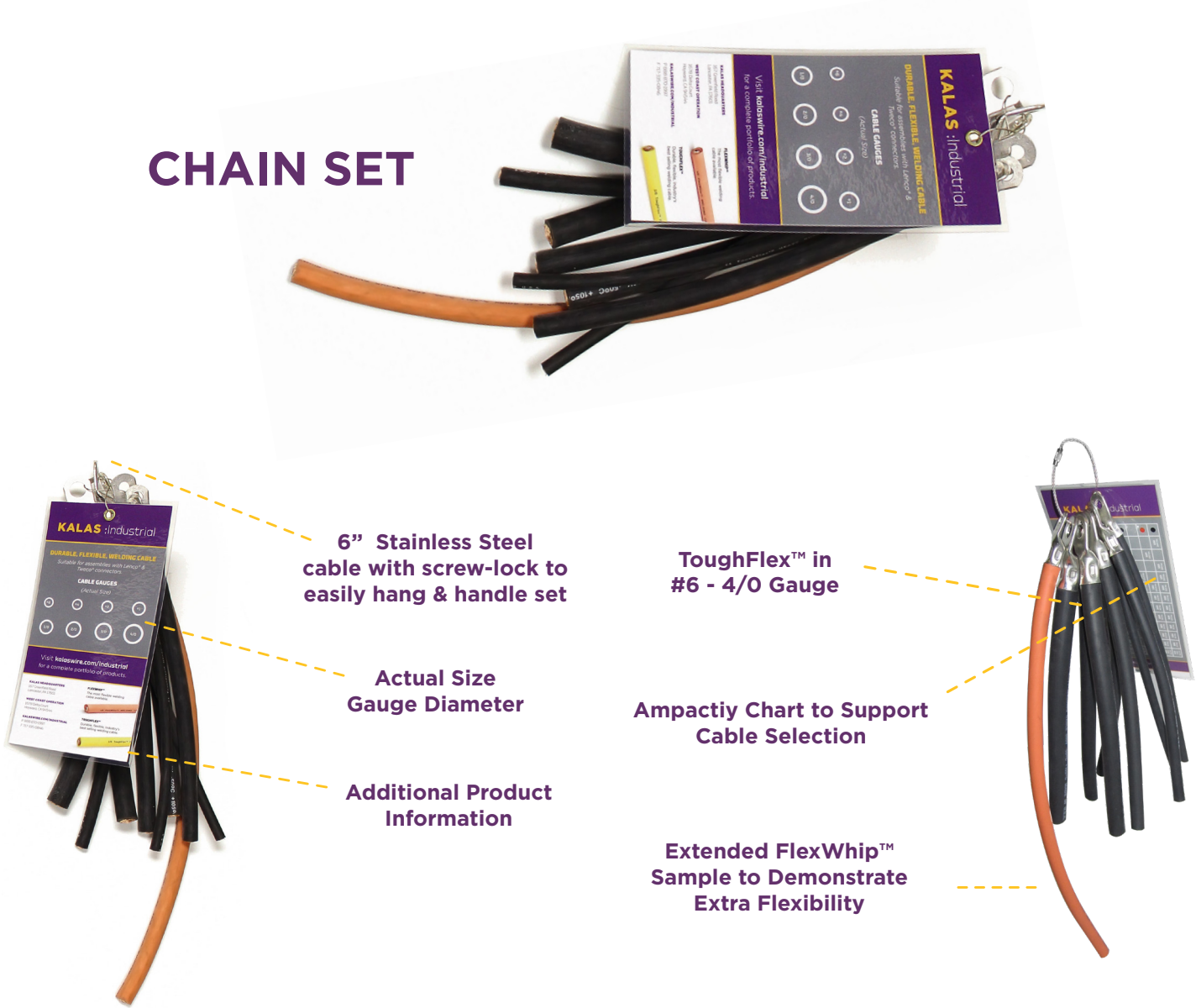


EXTREME

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

Selling Tools

Feature the quality of our cable at point of sale!



Ampacity Chart

Choose the correct ampacity to suit your application.

GAUGE	50' (15.2m)	75' (22.8m)	100' (30.4m)	125' (38.0m)	150' (45.6m)	175' (53.3m)	200' (60.8m)	225' (68.4m)	250' (76.0m)	300' (91.2m)	350' (106.4m)
#6 .178 lbs./ft.	100 9 lbs.	100 13.5 lbs.									
#4 .221 lbs./ft.	150 16.5 lbs.										
#2 .263 lbs./ft.	200 14 lbs.	150 20 lbs.	100 27 lbs.	100 33 lbs.							
#1 .344 lbs./ft.	250 18 lbs.	200 25.8 lbs.	150 35 lbs.		100 52 lbs.						
1/0 .424 lbs./ft.	350 22 lbs.	250 32 lbs.	200 43 lbs.	150 52 lbs.		100 74.2 lbs.	100 85 lbs.				
2/0 .512 lbs./ft.	400 26 lbs.	300 38.4 lbs.	250 52 lbs.	200 64 lbs.	150 76.8 lbs.		100 102.4 lbs.	100 115.2 lbs.			
3/0 .624 lbs./ft.	500 32 lbs.	350 47.5 lbs.	300 64 lbs.	250 80 lbs.	200 95 lbs.	150 112 lbs.	150 126.8 lbs.			100 190 lbs.	
4/0 .800 lbs./ft.	550 40 lbs.	450 60 lbs.	350 80 lbs.	300 100 lbs.	250 200 lbs.	200 140 lbs.	200 160 lbs.	150 180 lbs.	150 180 lbs.		100 280 lbs.



SAVE TO YOUR PHONE
Scan the QR code then save the image to your phone's photos.

AMPACTIY CALCULATOR
Scan to access the ampacity calculator from your phone.



Go to www.kalaswire.com/industrial to see our complete portfolio of products.

Go to www.kalaswire.com/industrial to see our complete portfolio of products.

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.

Welding Cable

TOUGHFLEX™ EPDM WELDING CABLE
EPDM Rubber
-50°C to 105°C
600 Volts
#6 - 250 MCM

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

Battery Cable

SGT BATTERY CABLE
SAE J1127
PVC -40°C to 80°C
60 Volts DC
#6 - 4/0

SGR BATTERY CABLE
EPDM
-40°C to 105°C
60 Volts DC
#6 - 250 MCM
SAE J1127
UL 558, 583

Flex Cord

SOOW POWER CORD
EPDM Jacket with EPDM Inners
-40C to 90C
600 Volts
Stocked in 250' lengths on the following constructions: 10/3, 10/4, 8/3, 8/4, 6/3, 6/4

Industrial Power

TOUGHFLEX™ TYPE SC ENTERTAINMENT CABLE
CPE
-50°C to 105°C
600 Volts
#8 - 4/0
NEC 520, 525, 530
UL 1680, CSA PPC 22.2 - 96

TOUGHFLEX™ TYPE W PORTABLE POWER CABLE
Dual insulated
EPDM Inner Insulated with CPE Jacket
-40°C to 90°C; 90°C Wet
2000 Volts
#8 - 4/0
NEC 400, NFPA 70
UL 1650, CSA PPC 22.2 - 96
MSHA Flame Test
Sun Res

PORTABLE POWER CABLE PPC/PPE
TPE
-40°C to 90°C Dry; 75°C Wet
2000 Volts
#8 - 300 MCM
UL MSHA

Contractor Cords

8/3
SJTW
PVC -40°C to 90°C
250 Volts DC
#30 Stranding
25' & 50' Lengths
Lighted End
NEMA 6-50 Plug Type

10/3
SJTW
PVC -37°C to 91°C
125 Volts DC
#30 Stranding
25', 50', 100' Lengths
Lighted End
NEMA 5-15R Plug Type

12/3
SJTW
PVC -37°C to 91°C
125 Volts DC
#30 Stranding
25', 50', 100' Lengths
Lighted End
NEMA 5-15P Plug Type

12/3 TRIPLE TAP
SJTW
PVC -37°C to 91°C
125 Volts DC
#30 Stranding
25', 50', 100' Lengths
Lighted End
NEMA 5-15P Plug Type

12/3 EXTREME
SJTW
PVC -70°C to 105°C
125 Volts DC
#30 Stranding
25', 50', 100' Lengths
Lighted End
NEMA 5-15P Plug Type

14/3 TROUBLE LIGHT
SJTW
PVC -37°C to 91°C
125 Volts DC
#30 Stranding
25' & 50' Lengths
NEMA 5-15 Plug Type

KALAS MAILING ADDRESS
167 Greenfield Road
Lancaster, PA 17601

TULSA WAREHOUSE
1810 East Jasper St.
Tulsa, Oklahoma 74110

KALASWIRE.COM/INDUSTRIAL
P 717-335-0135

RoHS: Kalas products are compliant with the requirements of the RoHS directive (2011/65/EU as amended).

NOTE: Do not use for 600 volt in-line applications. Product for welding applications only. Specifications contained herein reflect current data and are subject to change. Values are nominal and/or approximate.

MADE IN USA
ISO 9001: 2015 CERTIFIED
ISO 14001: 2015 CERTIFIED



Specifications contained herein reflect current data and are subject to change.

WIRE, CABLE & Value-Add Solutions

ONE-STEP

We offer our customers a direct service model for unprecedented value.

COLLABORATIVE

Comprehensive engineering, product design, technical, sales & customer support personalized to satisfy the unique needs of each customer.

SOLUTIONS

Offering a wide range of wire, cable and custom assemblies in an assortment of colors with custom indent print and package capabilities.

QUICK SHIP

Shipments on stocked products, pre-assembled whips, leads, and grounds.

EXPERIENCE

Over a half century of experience drawing, bunching, stranding, and extruding wire & cable and terminating heavy-duty engineered cable assemblies.

QUALITY

Dedicated in-house testing capability and ISO certified for trusted manufacturing reliability.



KALAS HEADQUARTERS

167 Greenfield Road
Lancaster, PA 17601

KALASWIRE.COM/INDUSTRIAL

P 717-335-0135
F 717 335-0846

MADE IN USA

ISO 9001, ISO 14001 CERTIFIED