

# ACTIV'LIGHT™

**TIGER® BRAND SHD-GC  
TRAILING CABLES**





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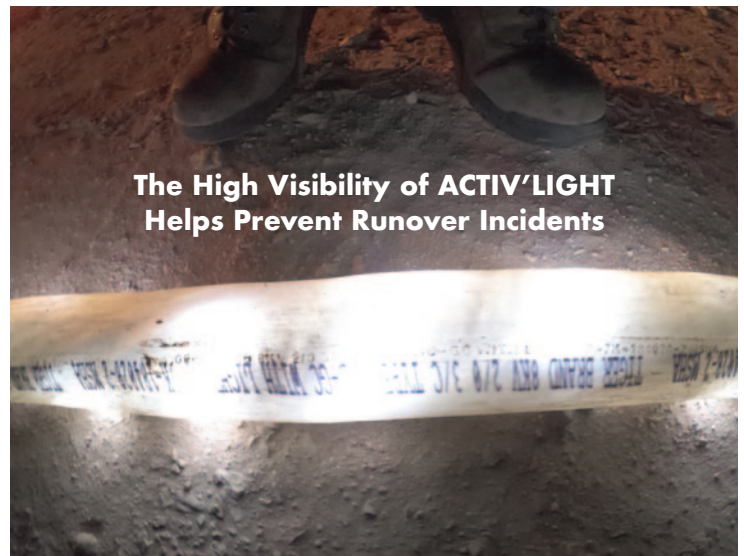
## ACTIV'LIGHT JACKET OVERVIEW

- ACTIV'LIGHT's clear TPU jacket is designed for extremely abrasive environments. Compared to Tiger® Brand CPE jackets, TPU offers:
  - **5X** more abrasion resistance
  - **2X** more tear resistance and tensile strength
  - Up to **8% less** jacket weight
- Heavy-duty high-voltage portable power cable for use in circuits not exceeding the rated voltage.
- Recommended maximum continuous conductor temperature 90°C.
- Available in 2kV - 25kV.



**Made in America**

Tiger® Brand is a registered trademark of AmerCable Incorporated



The High Visibility of ACTIV'LIGHT Helps Prevent Runover Incidents



Available with RED or WHITE LED Lights



36-502/14

# ACTIV'LIGHT 2KV - 5KV • TYPE SHD-GC



### Fillers

### LED Assembly

Shielded single with energy harvesting tape for illumination, and fillers as required. White LED lights are standard.

### Assembly

Mylar taped core with clear TPU fillers

### Ground Wires (2)

Flexible tinned copper

### Ground Check Conductor

Flexible tinned copper with yellow polypropylene insulation

### Conductors (3)

- Flexible tinned copper
- Non-conducting tape
- Insulation: 90°C ethylene-propylene rubber (EPR)
- Separator tape
- Insulation shielding composed of tinned copper and color-coded nylon braid.

### Jacket<sup>1</sup>

Clear Thermoplastic Polyurethane (TPU) Jacket. Cable identification via permanent marking.

## APPLICATION

Heavy duty portable power cable for use in circuits not to exceed recommended voltage. Designed for applications such as shovels and powerfeeders where grounding conductors, a ground check conductor and metallic shielding are required.

ACTIV'LIGHT uses induced voltage to light up the cable during mining activity. This higher level of visibility helps prevent runovers and costly downtime.

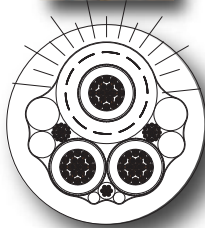
Recommended maximum continuous conductor temperature is 90°C.

Tiger® Brand cables meet or exceed ICEA Standard S-75-381/NEMA WC-58.

## RATINGS & APPROVALS

ACTIV'LIGHT LED lighting is an add-on to Tiger® Brand mining cables, which are compliant to:

- Mine Safety & Health Administration 184-MSHA
- Pennsylvania Department of Environmental Protection P-184.
- Insulated Cable Engineers Association S-75-381/NEMA WC-58. Design standard for mining cables.



Available in White (standard) or Red LEDs.

To order ACTIV'LIGHT, please contact us at:

- mining.sales@nexans.com
- (870) 862-4919

### 2000 VOLT 36-502 SHD-GC

36-502-	Power Conductors		Grounds	Jacket Thickness in.	Ground Check Conductor Size AWG	Nominal Outside Dimensions in.	Approx. Weight lbs. per 1,000 ft.	Ampacity*
	Size AWG or kcmil	Insulation Thickness in.	Size AWG					
250LED	250	0.095	1/0	0.220	6	2.985	6007	355
350LED	350	0.095	2/0	0.235	6	3.280	7491	435
500LED	500	0.095	4/0	0.265	6	3.595	9997	536

### 5000 VOLT 36-514 SHD-GC

36-514-	Power Conductors		Grounds	Jacket Thickness in.	Ground Check Conductor Size AWG	Nominal Outside Dimensions in.	Approx. Weight lbs. per 1,000 ft.	Ampacity*
	Size AWG or kcmil	Insulation Thickness in.	Size AWG					
040LED	4/0	0.110	1	0.235	8	3.030	5723	321
250LED	250	0.120	1/0	0.250	6	3.165	6419	355
350LED	350	0.120	2/0	0.265	6	3.510	8017	435
500LED	500	0.120	4/0	0.280	6	3.785	10199	536

<sup>1</sup> All cables have clear TPU jacket.

\*Ampacity – Based on continuous duty at 90°C conductor temperature and 40°C ambient.



36-518/21

# ACTIV'LIGHT 8KV - 15KV • TYPE SHD-GC

### Fillers

### LED Assembly

Shielded single with energy harvesting tape for illumination, and fillers as required. White LED lights are standard.

### Assembly

Mylar taped core with clear TPU fillers

### Ground Wires (2)

Flexible tinned copper

### Ground Check Conductor

Flexible tinned copper with yellow polypropylene insulation

Available in White (standard) or Red LEDs.

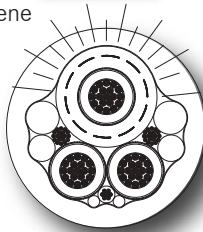


### Conductors (3)

- Flexible tinned copper
- Strand shield: semi-conducting layer
- Insulation: 90°C ethylene-propylene rubber (EPR)
- Insulation shielding: semi-conducting tape
- Tinned copper and color-coded nylon braid

### Jacket<sup>1</sup>

Clear Thermoplastic Polyurethane (TPU) Jacket. Cable identification via permanent marking.



## APPLICATION

Heavy duty portable power cable for use in circuits not to exceed recommended voltage. Designed for applications such as shovels and powerfeeders where grounding conductors, a ground check conductor and metallic shielding are required.

ACTIV'LIGHT uses induced voltage to light up the cable during mining activity. This higher level of visibility helps prevent runovers and costly downtime.

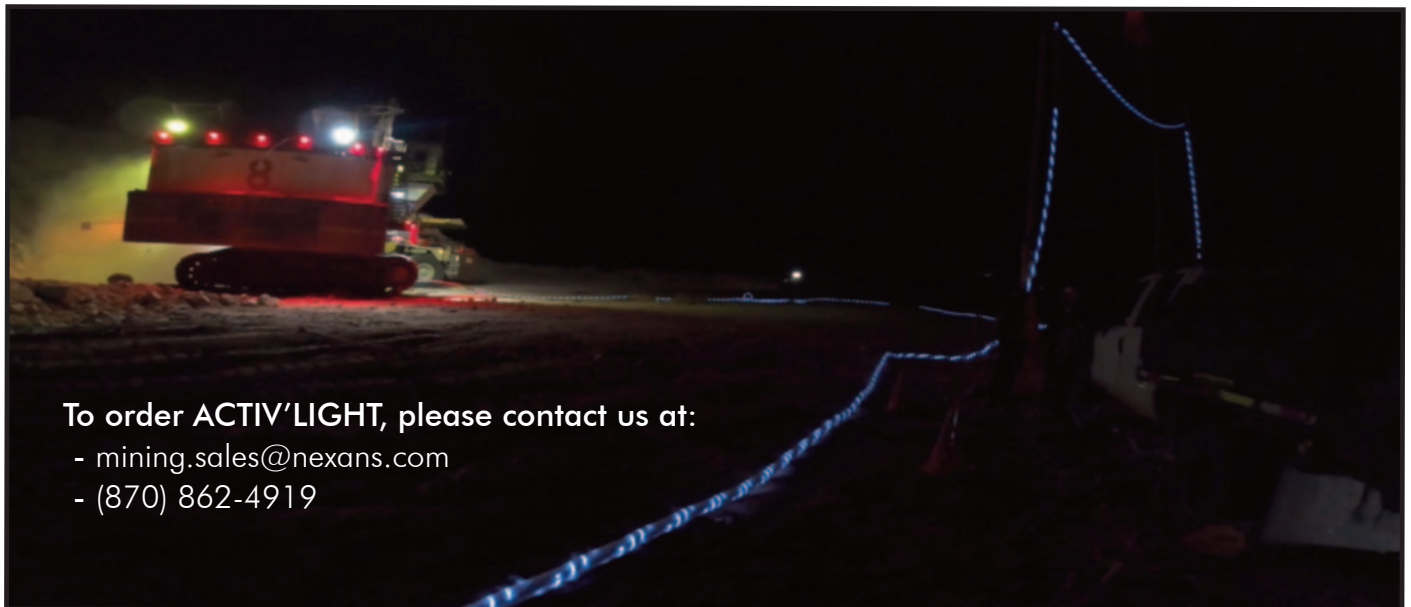
Recommended maximum continuous conductor temperature is 90°C.

Tiger® Brand cables meet or exceed ICEA Standard S-75-381/NEMA WC-58.

## RATINGS & APPROVALS

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- Pennsylvania Department of Environmental Protection P-184.
- Insulated Cable Engineers Association S-75-381/NEMA WC-58. Design standard for mining cables.



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**8000 VOLT**  
**36-518**  
**SHD-GC**

36-518-	Power Conductors		Grounds	Jacket Thickness in.	Ground Check Conductor Size AWG	Nominal Outside Dimensions in.	Approx. Weight lbs. per 1,000 ft.	Ampacity*
	Size AWG or kcmil	Insulation Thickness in.	Size AWG					
020LED	2/0	0.150	3	0.235	8	3.001	4657	243
030LED	3/0	0.150	2	0.250	8	3.050	5326	279
040LED	4/0	0.150	1	0.250	8	3.265	6155	321
250LED	250	0.150	1/0	0.250	6	3.325	6829	355
350LED	350	0.150	2/0	0.280	6	3.640	8391	435
500 LED	500	0.150	4/0	0.295	6	3.985	11198	536

**15000 VOLT**  
**36-521**  
**SHD-GC**

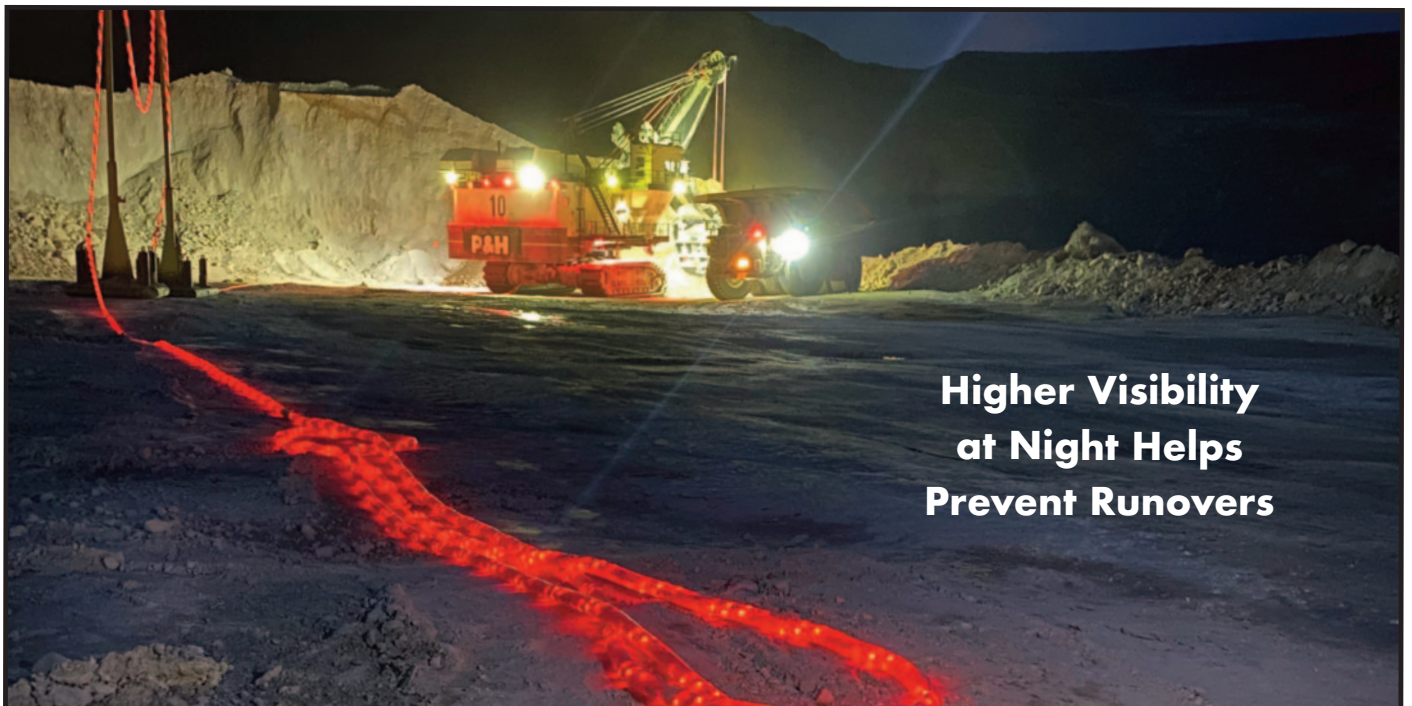
36-521-	Power Conductors		Grounds	Jacket Thickness in.	Ground Check Conductor Size AWG	Nominal Outside Dimensions in.	Approx. Weight lbs. per 1,000 ft.	Ampacity*
	Size AWG or kcmil	Insulation Thickness in.	Size AWG					
010LED	1/0	0.210	4	0.250	8	3.160	5185	215
020LED	2/0	0.210	3	0.250	8	3.230	5276	246
030LED	3/0	0.210	2	0.265	8	3.390	6226	283
040LED	4/0	0.210	1	0.265	6	3.570	7291	325
250LED	250	0.210	1/0	0.265	6	3.715	8062	359
350LED	350	0.210	2/0	0.280	6	3.925	9794	437
500LED	500	0.210	4/0	0.295	6	4.225	11594	534

<sup>1</sup> All cables have clear TPU jacket.

\*Ampacity – Based on continuous duty at 90°C conductor temperature and 40°C ambient.

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**Higher Visibility  
at Night Helps  
Prevent Runovers**



36-526

# ACTIV'LIGHT 25KV • TYPE SHD-GC

## Fillers

## LED Assembly

Shielded single with energy harvesting tape for illumination, and fillers as required. White LED lights are standard.

## Assembly

Mylar taped core with clear TPU fillers

## Ground Wires (2)

Flexible tinned copper

## Ground Check Conductor

Flexible tinned copper with yellow polypropylene insulation



## Conductors (3)

- Flexible tinned copper
- Strand shield: semi-conducting layer
- Insulation: 90°C ethylene-propylene rubber (EPR)
- Insulation shielding: semi-conducting rubber and semi-conducting tape
- Tinned copper and color-coded nylon braid

## Jacket<sup>1</sup>

Clear Thermoplastic Polyurethane (TPU) Jacket. Cable identification via permanent marking.

## APPLICATION

Heavy duty portable power cable for use in circuits not to exceed recommended voltage. Designed for applications such as shovels and powerfeeders where grounding conductors, a ground check conductor and metallic shielding are required.

ACTIV'LIGHT uses induced voltage to light up the cable during mining activity. This higher level of visibility helps prevent runovers and costly downtime.

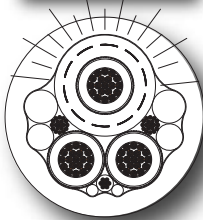
Recommended maximum continuous conductor temperature is 90°C.

Tiger® Brand cables meet or exceed ICEA Standard S-75-381/NEMA WC-58.

## RATINGS & APPROVALS

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36-526-	Power Conductors		Grounds	Jacket Thickness in.	Ground Check Conductor Size AWG	Nominal Outside Dimensions in.	Approx. Weight lbs. per 1,000 ft.	Ampacity*
	Size AWG or kcmil	Insulation Thickness in.	Size AWG					
010LED	1/0	0.295	4	0.265	8	3.600	6229	218
020LED	2/0	0.295	3	0.280	8	3.680	6711	249
030LED	3/0	0.295	2	0.280	8	3.825	7462	286
040LED	4/0	0.295	1	0.295	6	3.975	7743	327
250LED	250	0.295	1/0	0.295	6	4.075	8500	360
350LED	350	0.295	2/0	0.295	6	4.390	10625	439

<sup>1</sup> All cables have clear TPU jacket.

\*Ampacity – Based on continuous duty at 90°C conductor temperature and 40°C ambient.

## FACTORY INSTALLED CABLE ASSEMBLIES



- Lower Overall Cost
- Enhanced Reliability
- Reduced Installation Time

Your cable assembly, built to your exact specifications, arrives ready for immediate use. Reduced prep, handling and installation time and no need to maintain an expensive connector inventory.

## TRAINING, EDUCATION & SUPPORT



Our mine-experienced field engineers are available 24/7 for on-site evaluation and productivity solutions. They also conduct education and training sessions that address safety, splicing and cable handling practices.

***No other cable manufacturer offers this high level of value and solutions!***

# ACTIV'LIGHT™

## TIGER® BRAND SHD-GC TRAILING CABLES



*Since the electrification of mines, our company's core business has been powering mine equipment.*

Surface or underground – Nexans AmerCable has a cable productivity solution for you. Our innovatively engineered and manufactured Tiger® Brand cable line is designed for your toughest conditions.

ACTIV'LIGHT is the latest in a long line of cable innovations designed to enhance mine safety and productivity.

### OPERATING EXCELLENCE

- Best at On-Time delivery
- Strategically located inventories throughout the major mining regions
- ISO-9001 certified manufacturer



To order ACTIV'LIGHT,  
please contact us at:

- [mining.sales@nexans.com](mailto:mining.sales@nexans.com)
- (870) 862-4919

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