



FeiChun'LEDs Mining Trailing Cable 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

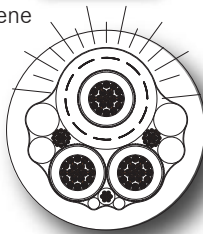
Flexible tinned copper with yellow polypropylene insulation

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

Jacket¹

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



Available in White (standard), Red, Green or Blue LEDs.

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.

FeiChun'LEDs 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.

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

RATINGS & APPROVALS

FeiChun'LEDs lighting is an add-on to FeiChun® 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.





FEICHUN SPECIAL CABLES

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8000 VOLT

36-518 SHD-GC

	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					
	2/0	.150	3	.235	8	2.775	4324	243
	3/0	.150	2	.250	8	2.930	5077	279
	4/0	.150	1	.250	6	3.045	5748	321
	250	.150	1/0	.265	6	3.190	6596	355
	350	.150	2/0	.280	6	3.480	8258	435
	500	.150	4/0	.295	6	3.835	10791	536

15000 VOLT

36-521 SHD-GC

	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					
	1	.210	5	.250	8	2.860	4247	187
	1/0	.210	4	.250	8	2.975	4721	215
	2/0	.210	3	.250	8	3.010	4767	246
	3/0	.210	2	.265	8	3.230	5913	283
	4/0	.210	1	.265	6	3.405	6792	325
	250	.210	1/0	.280	6	3.530	7616	359
	350	.210	2/0	.295	6	3.775	9097	437
	500	.210	4/0	.295	6	4.040	11384	534

¹ All cables have clear TPU jacket.

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



**Higher Visibility
at Night Helps
Prevent Runovers**