



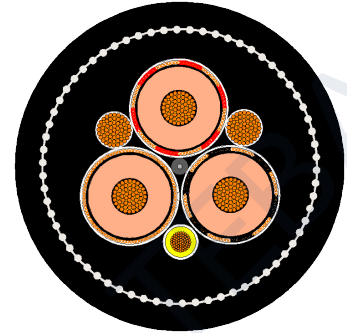
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE SHD-GC 3/C 25000 V CPE CABLE

Heavy-duty portable mining power cable



APPLICATION

For heavy-duty high-voltage portable power cable for draglines in circuits not exceeding 25,000 volts.

CONSTRUCTION

Parameter	Value
Conductor	Flexible tinned copper
Insulation	90 deg C ethylene-propylene rubber (EPR)
Shielding	Tinned copper and color-coded nylon braid
Ground wires	Flexible tinned copper
Ground check	Flexible tinned copper with yellow polypropylene insulation
Jacket	Reinforced mold-cured thermosetting chlorinated polyethylene (CPE) jacket

CABLE CHARACTERISTICS

Parameter	Value
Design standard	ICEA S-75-381 / NEMA WC-58
Rated voltage	25000 V
Maximum conductor temperature	90 deg C continuous
Cable construction	Three power conductors, grounding conductors and a ground check conductor with metallic shielding

TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

POWER CONDUCTOR AND CABLE DIMENSIONS							
Power conductor AWG/kcmil	Area AWG/kcmil mm2	Nearest standard metric mm2	No. of wires per conductor	Insulation thickness mils	Jacket thickness mils	Nominal outside dimensions in.	Approx. weight lbs/1000 ft
1	1.31	1.50	259	260	265	2.95	5290
1/0	2.08	2.50	259	260	265	3.05	5800
2/0	3.31	4	329	260	280	3.20	6515
3/0	5.26	6	413	260	280	3.33	7215
4/0	8.37	10	532	260	295	3.50	8250

GROUND CHECK CONDUCTOR		
Ground check AWG	Area mm2	No. of wires per conductor
8	0.52	133
6	0.82	133
5	1.31	133
4	2.08	259
3	3.31	259
2	5.26	259
1	8.37	259
1/0	13.30	266
2/0	21.15	323
4/0	33.62	532

TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

AMPACITY	
Power conductor AWG/kcmil	Ampacity at 40 deg C ambient, A
1	191
1/0	218
2/0	249
3/0	286
4/0	327

NOTES

Nominal values are for cable selection. Actual cable dimensions may vary due to manufacturing tolerances.

CERTIFICATIONS

