



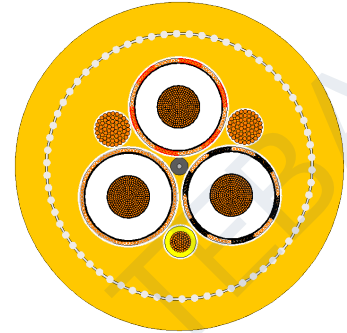
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE SHD-GC 3/C 15000 V TPU CABLE

Heavy-duty portable mining power cable



APPLICATION

For heavy-duty high-voltage portable power cable for loading shovels and draglines in circuits not exceeding 15,000 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	Thermoplastic polyurethane (TPU) jacket

CABLE CHARACTERISTICS

Parameter	Value
Design standard	ICEA S-75-381 / NEMA WC-58
Rated voltage	15000 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
2	0.82	1.00	259	210	235	2.41	3145
1	1.31	1.50	259	210	235	2.52	3567
1/0	2.08	2.50	266	210	250	2.64	3976
2/0	3.31	4	323	210	250	2.73	4526
3/0	5.26	6	418	210	265	2.90	5231
4/0	8.37	10	532	210	265	3.05	6033

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
2	164
1	187
1/0	215
2/0	246
3/0	283
4/0	325

NOTES

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

CERTIFICATIONS

