



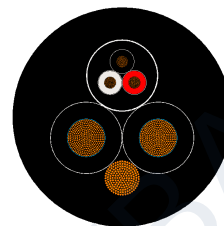
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

DRILLING MAST CABLE

Two-conductor 600-2000 V drilling mast cable



APPLICATION

600-2000 V two-conductor drilling mast cable recommended where long flex life, great flexibility and wearability are desired. Applications include power and control for blast-hole drill masts and other DC equipment, as well as festoons, suspended loops and power tracks.

CONSTRUCTION

Component	Description
Power conductors	Two flexible tinned copper conductors
Insulation	Ethylene-propylene rubber (EPR), suitable for continuous operation at 90 deg C
Control group	Configuration to be specified by the user
Ground wire	Flexible tinned copper
Tape	Non-conducting tape over the cabled assembly
Reinforcement	Polypropylene reinforcing braid for long flex life
Outer jacket	Reinforced mold-cured thermosetting rubber with permanent cable identification
Cable shape	Round two-conductor drilling mast construction

CHARACTERISTICS

- Two-conductor 600-2000 V drilling mast cable for power and control applications.
- Extremely flexible stranding supports long flex life and ease of installation.
- Suitable for continuous operating temperatures up to +90 deg C.
- Heavy-duty jacket resists abrasion, impact, heat, oil, flame, ozone, alkali and acids.
- Suitable for drills, festoons, suspended loops and power tracks.
- Cable diameters and weights are subject to manufacturing tolerance.

TECHNICAL INFORMATION

Parameter	Unit	Value
Rated voltage range	V	600-2000
Maximum conductor temperature	°C	+90 continuous
Ampacity ambient	°C	+40 air
Material requirements		ICEA S-75-381 / NEMA WC-58 and CSA C22.2 No. 96
Conductor material		ASTM B-33 tinned soft or annealed copper
Primary use		Blast-hole driller; drill mast power and control

TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

Nominal construction dimensions, cable weight and continuous-duty current-carrying capacity.

Conductor size AWG/kcmil	Minimum wires per conductor	Insulation thickness in / mm	Nominal outside diameter in / mm	Approx. weight lb/1000 ft	Ampacity A	Control group	Ground wire
600-2000 V DRILLING MAST CABLE							
1/0	266	0.080 / 2.03	1.52 / 38.6	1780	217	User specified	Included
2/0	323	0.080 / 2.03	1.65 / 41.9	2425	250	User specified	Included
3/0	418	0.080 / 2.03	1.77 / 45.0	2872	286	User specified	Included
4/0	532	0.080 / 2.03	1.92 / 48.8	3478	328	User specified	Included
250	627	0.095 / 2.41	2.10 / 53.3	4155	363	User specified	Included
350	888	0.095 / 2.41	2.36 / 59.9	5483	436	User specified	Included
500	1221	0.095 / 2.41	2.70 / 68.6	7249	524	User specified	Included

NOTES

- Metric dimensions and weights are rounded conversions of the source imperial values.
 - Ampacity is calculated with a 90 deg C conductor temperature and 40 deg C ambient air.
- Cable diameters and weights are subject to +/-5% manufacturing tolerance.
 - Control-group configuration is to be specified by the user.

REEL CORRECTION FACTORS

Number of wound layers	Multiplying factor
1	0.85
2	0.65
3	0.45
4	0.35

CERTIFICATIONS

