



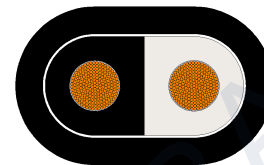
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE W FLAT 2C

600 V to 2000 V underground mining cable - flat 2C CPE



APPLICATION

Heavy-duty two-conductor flat Type W portable power cable for underground mining equipment, especially shuttle cars, roof bolters, pumps, drills, conveyors and other mobile machinery. The flat profile supports easy handling and routing, while flexible tinned-copper conductors, EPR insulation and a reinforced CPE jacket withstand repeated bending, dragging, impact, abrasion, oil, moisture, mud, ozone and harsh underground operating conditions.

CONSTRUCTION

Component	Description
Conductors	Two flexible rope-lay stranded annealed tinned copper conductors
Insulation	Heat-, moisture- and ozone-resistant ethylene-propylene rubber (EPR)
Core identification	Colour-coded insulated conductors for installation and maintenance identification
Core assembly	Two conductors arranged side-by-side in a flat flexible configuration
Reinforcement	Synthetic yarn reinforcement for increased mechanical strength
Outer jacket	Extra-heavy-duty chlorinated polyethylene (CPE), black
Optional jacket compounds	CSP, PCP, NBR or PVC compounds available for specific service requirements
Optional jacket design	Two-layer jacket with reinforcing fibre between layers

CHARACTERISTICS

- Heavy-duty flexible Type W flat portable power cable for underground mining service.
- EPR insulation provides stable electrical and thermal performance.
- Extra-heavy-duty CPE jacket resists abrasion, oil, ozone, sunlight and moisture.
- Flat construction supports easy handling, coiling, routing and repeated relocation.
- Two-conductor design is suitable where grounding conductors are not required or desired.
- Maximum continuous conductor operating temperature: +90 deg C.

TECHNICAL INFORMATION

Parameter	Unit	Value
Rated voltage	V	600 to 2000
Configuration		Flat 2C
Maximum conductor temperature	°C	+90
Minimum bending radius		6 x overall cable dimension
Primary cable standard		ICEA S-75-381 / NEMA WC 58
Conductor standards		ASTM B172; ASTM B33
Canadian standard		CAN/CSA-C22.2 No. 96

TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

Nominal construction dimensions, cable weight and current-carrying capacity from the supplied Word tables.

Size AWG/kcmil	Strands	Insulation in / mm	Nominal overall dimension(s) in / mm	Weight lb/kft / kg/km	Ampacity A
TYPE W FLAT 2C - UNDERGROUND MINING					
8	133 / 7x19	0.060 / 1.5	0.51 x 0.84 / 13.0 x 21.3	340 / 505	72
6	133 / 7x19	0.060 / 1.5	0.56 x 0.93 / 14.2 x 23.6	440 / 655	95
4	259 / 7x37	0.060 / 1.5	0.61 x 1.05 / 15.5 x 26.7	580 / 863	127
2	259 / 7x37	0.060 / 1.5	0.73 x 1.24 / 18.5 x 31.5	850 / 1265	167
1	259 / 7x37	0.080 / 2.0	0.81 x 1.40 / 20.6 x 35.6	1070 / 1592	191
1/0	259 / 7x37	0.080 / 2.0	0.93 x 1.51 / 23.6 x 38.4	1310 / 1949	217
2/0	329 / 7x47	0.080 / 2.0	0.99 x 1.63 / 25.1 x 41.4	1600 / 2381	250
4/0	532 / 19x28	0.080 / 2.0	1.10 x 1.89 / 27.9 x 48.0	2300 / 3423	328

NOTES

- Imperial values are reproduced from the supplied specification table.

- Ampacity values apply to the stated Type W two-conductor construction.

- Paired values indicate nominal H x W dimensions in inches and millimetres.

- Final cable selection must consider installation method, ambient conditions and applicable regulations.

CERTIFICATIONS



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