



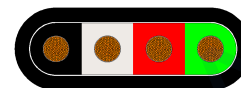
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE W FLAT 4C

600 V to 2000 V underground mining cable - flat 4C CPE



APPLICATION

Heavy-duty four-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	Four 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	Four 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.
- Four-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 4C
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.

Construction cores x AWG/kcmil	Strands	Insulation in / mm	Nominal overall dimension(s) in / mm	Weight lb/kft / kg/km	Ampacity A
TYPE W FLAT 4C - UNDERGROUND MINING					
4 x 6	133	0.060 / 1.5	0.67 x 1.69 / 17.0 x 42.9	895 / 1332	72
4 x 4	259	0.060 / 1.5	0.75 x 1.89 / 19.0 x 48.0	1185 / 1764	93
4 x 2	259	0.060 / 1.5	0.84 x 2.23 / 20.6 x 56.6	1620 / 2411	122
4 x 1	259	0.080 / 2.0	0.97 x 2.60 / 24.6 x 66.0	2100 / 3125	143
4 x 1/0	259	0.080 / 2.0	1.01 x 2.73 / 25.7 x 69.3	2500 / 3721	165
4 x 2/0	329	0.080 / 2.0	1.10 x 2.96 / 27.9 x 75.2	2900 / 4316	192
4 x 3/0	413	0.080 / 2.0	1.18 x 3.25 / 30.0 x 82.6	3500 / 5209	221
4 x 4/0	532	0.080 / 2.0	1.29 x 3.46 / 32.8 x 87.9	4225 / 6288	255

NOTES

- All imperial and metric values are reproduced from the corresponding Word specification table.
 - Ampacity values apply to the stated construction and conductor size.
- Single values indicate nominal diameter; paired values indicate nominal H x W dimensions.
 - Final cable selection must consider installation method, ambient conditions and applicable regulations.

CERTIFICATIONS

