



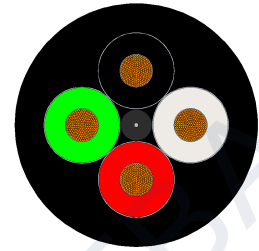
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrialcable

TYPE W

Round four-conductor 2 kV portable surface-mining power cable



APPLICATION

Heavy-duty flexible four-conductor portable power cable for surface mining equipment and industrial mobile power connections where bare grounding conductors are not required or desired. Suitable for pumps, drills, conveyors, loaders, crushers and other machinery exposed to frequent movement, bending, dragging and mechanical stress. The EPR-insulated cores and reinforced CPE jacket provide reliable power transmission in environments involving abrasion, impact, oil, moisture, ozone, sunlight and outdoor weather exposure.

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 insulated conductors cabled into a flexible compact assembly
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 four-conductor portable power cable for surface mining service.
- EPR insulation provides stable electrical and thermal performance.
- Extra-heavy-duty CPE jacket resists abrasion, oil, ozone, sunlight and moisture.
- Flexible construction supports repeated handling, bending, dragging and relocation.
- Minimum bending radius: 6 x overall cable dimension.
- Maximum continuous conductor operating temperature: +90 deg C.

TECHNICAL INFORMATION

Parameter	Unit	Value
Rated voltage	V	2000
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 continuous-duty current-carrying capacity.

Construction 4 x AWG/kcmil	Strands	Insulation in / mm	Nominal overall dimensions H x W in / mm	Weight lb/kft / kg/km	Ampacity A
TYPE W 4C 2 kV					
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

- Imperial and metric values are reproduced from the corresponding Word specification table.
 - Ampacity values apply to the stated Type W four-conductor construction.
- The H x W overall dimensions are retained exactly as supplied in the Word table.
 - Final cable selection must consider installation method, ambient conditions and applicable regulations.

CERTIFICATIONS

