



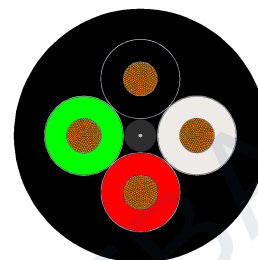
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

TYPE W

Round four-conductor 2 kV portable mining power cable



APPLICATION

Especially suitable for mobile mining equipment such as continuous miners, drills, cutters, loading machines, AC shuttle cars and pumps. Type W is intended for applications where bare grounding conductors are not required or desired. The round four-conductor cable uses EPR insulation and a reinforced mold-cured CPE jacket, with a luminous jacket option available on request.

CONSTRUCTION

Component	Description
Conductors	Flexible tinned copper conductors
Insulation	90 deg C ethylene-propylene rubber (EPR)
Separator tape	Non-conducting tape over the cabled core
Outer jacket	Reinforced mold-cured thermosetting chlorinated polyethylene (CPE)
Cable identification	Permanent cable marking; coloured EHD CPE jackets available on request
Luminous option	Luminous jacket option available on request
Cable shape	Round-shaped four-conductor cross-section

CHARACTERISTICS

- Heavy-duty flexible four-conductor portable mining cable.
- Suitable where bare grounding conductors are not required or desired.
- EPR insulation supports continuous conductor operation up to 90 deg C.
- Reinforced mold-cured CPE jacket provides resistance to demanding service conditions.
- Optional luminous jacket treatment is available for improved cable visibility.
- Meets or exceeds ICEA S-75-381 / NEMA WC-58, ASTM B-172 and ASTM B-33.
- Ampacity is based on continuous duty at 90 deg C conductor temperature.

TECHNICAL INFORMATION

Parameter	Unit	Value
Rated voltage	V	2000
Maximum conductor temperature	°C	+90
Primary cable standard		ICEA S-75-381 / NEMA WC-58
Conductor standards		ASTM B-172; ASTM B-33
Canadian standard		CAN/CSA-C22.2 No. 96
Cable listing		P-7K-184-MSHA marking

TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

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

Size AWG/kcmil	Strands	Insulation in / mm	Nominal overall dimensions H x W in / mm	Weight lb/kft / kg/km	Ampacity A
TYPE W ROUND 4/C - 2000 V					
8	133	60	0.99	670	54
6	133	60	1.10	890	72
4	259	60	1.27	1250	93
2	259	60	1.48	1800	122
1	259	80	1.68	2270	143
1/0	266	80	1.79	2680	165
2/0	323	80	1.93	3200	192
3/0	418	80	2.07	3627	221
4/0	532	80	2.26	4650	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.
- Outside-diameter tolerances are +/- 0.030 in for 8-1 AWG, +/- 0.040 in for 1/0-2/0 AWG and +/- 0.050 in for 3/0-4/0 AWG.
 - Final cable selection must consider installation method, ambient conditions and applicable regulations.

CERTIFICATIONS



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