

Type W 2C to 4C, EPR Insulated, CPE Jacketed

2 kV

CME[®]
wire and cable

A Viakable Company

Features

Certify by MSHA and UL listed.

Meets all requirements of ICEA S-75-381.

Reformulated compounds suitable for CV curing, developed to meet the high level of physical properties required in service.

-40 °C Rating CPE Jacket.

Application

Trailing cable on ac mining equipment where a ground check conductor is not required for fall safe ground monitoring.

For use where arc suppressors or diodes are utilized for grounding monitoring, or induced voltages do not present a problem.

Standards

ICEA S-75-381/NEMA WC-58

Portable and Power Feeder Cables for Use in Mines and Similar Applications.

CFR Title 30 Federal Regulations, Part 7, Subpart K.

MSHA 7K-228054

Specifications

Maximum operating voltage:

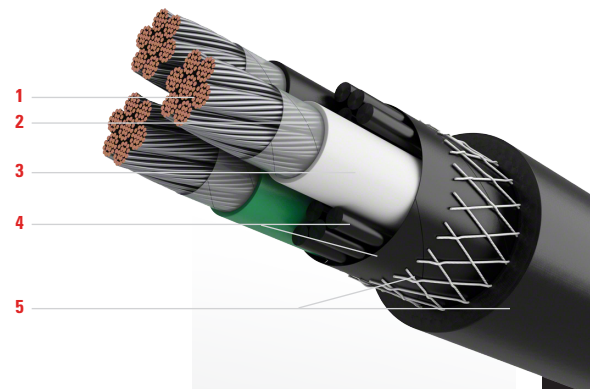
- 2 kV

Maximum conductor operation temperature:

- 90 °C wet or dry locations under normal operating conditions.

Engineering Information

1. Phase Conductors: Soft or annealed tinned coated copper conductor, rope lay flexible stranding per ASTM B172. **Conductors** 1/0 and larger are class I stranding and conductors #1 and smaller are class H stranding.



2. Conductor Separator: May be applied over the conductor.

3. Insulation: High quality, heat, moisture, ozone and, thermosetting ethylene propylene rubber (EPR) meeting ICEA.

Phase ID: Color coded insulation

2/C - BL, WH

3/C - BL, WH, GR

4/C - BL, WH, RE, GR

4. Assembly: Phase conductors cabled together with non-hygroscopic fillers as required and a binder tape.

5. Jacket: Black heavy duty or extra heavy duty chlorinated polyethylene (CPE) compound, applied in one layer over a fibrous reinforcement layer.

Markings: Ink printed type.

Technical Data

Type W EPR Insulated

Phase Conductor Size	Number of Strands	Size of Each Strand	Nominal Insulation Thickness	Maximum Overall Diameter	Approximate Total Weight
AWG or kcmil		AWG	mil	in	lb/kft
2 Conductors					
8	133	29	60	0.84	396
6	133	27	60	0.94	531
4	259	28	60	1.11	766
2	259	26	60	1.30	1095
1	259	25	80	1.47	1398
1/0	259	24	80	1.56	1620
2/0	329	24	80	1.69	1969
3/0	413	24	80	1.82	2339
4/0	532	24	80	1.97	2547
250*	608	24	95	2.16	2964
300*	741	24	95	2.28	3420
350*	855	24	95	2.42	3918
500*	1221	24	95	2.76	5389
3 Conductors					
8	133	29	60	0.94	497
6	133	27	60	1.04	652
4	259	28	60	1.20	921
2	259	26	60	1.37	1297
1	259	25	80	1.54	1633
1/0	259	24	80	1.69	1996
2/0	329	24	80	1.79	2379
3/0	413	24	80	1.94	2869
4/0*	532	24	80	2.09	3212
250*	608	24	95	2.45	4086
300*	741	24	95	2.62	4825
350*	855	24	95	2.74	5423
500*	1221	24	95	3.09	7405
4 Conductors					
8	133	29	60	1.02	585
6	133	27	60	1.13	780
4	259	28	60	1.30	1102
2	259	26	60	1.51	1599
1	259	25	80	1.71	2016
1/0	259	24	80	1.83	2392
2/0	329	24	80	1.97	2943
3/0*	413	24	80	2.12	3501
4/0*	532	24	80	2.31	4106
250*	608	24	95	2.72	5215
300*	741	24	95	2.90	6162
350*	855	24	95	3.04	6955
500*	1221	24	95	3.46	9636

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

Ampacities: Refer to beginning of section.

* Extra heavy duty jacket.