



POWER KABEL INC.

MINE FEEDER CABLE TYPE MP-GC 8 & 15KV EPR CPE 90°C MSHA MINIMG GRADE

APPLICATIONS & FEATURES

For use as trailing mining cables. For use from 5 kV up to 25kV when installed inducts, conduit, open air and direct burial in wet and dry locations. Other industrial, mining applications.

INDUSTRY COMPLIANCES

ICEA S-75-381, NEMA WC58, ASTM B-8

CONSTRUCTION

CONDUCTORS:	Bare copper, concentric strand ASTM B8
CONDUCTOR SHIELD:	Semi-conductive tape and layer over the conductor. ICEA S-75-381 sec. 3.14
INSULATION:	Ethylene-propylene rubber (EPR). ICEA S-75-381 Tab. 4-2
INSULATION SHIELD:	Semi-conducting compound as per 4.5 of ICEA S-75-381 and 0.005" copper tape
GROUND:	Annealed tin coated copper Class B comply with Tab. 4-1 of ICEA S-75-381
GROUND CHECK:	Bare copper conductor. ICEA S-75-381 Tab. 4-1. Insulation color: yellow
ASSEMBLY:	Three power, the ground check, two tinned copper grounding conductors cabled with cured rubber fillers as required to make an essentially round core
JACKET:	Black CPE thermosetting compound, extra heavy duty as per Table 3-3, sec. 3.21.

AWG/No of CONDUCTORS	STRANDS	GROUND (AWG)	GROUND CHECK (AWG)	INSULATION THICKNESS (INCHES)	JACKET THICKNESS (INCHES)	OUTSIDE DIAMETER (INCHES)	NET WEIGHT (LBS/1000 FT)
8KV @ 100% INSULATION LEVEL							
4/3	7	8	8	0.115	0.110	1.43	1410
2/3	7	6	8	0.115	0.110	1.55	1750
1/3	19	5	8	0.115	0.110	1.65	2050
1/0-3	19	4	8	0.115	0.140	1.75	2899
2/0-3	19	3	8	0.115	0.140	1.88	2900
4/0-3	37	1	8	0.115	0.140	2.12	4100
250/3	37	1/0	8	0.115	0.140	2.25	4720
350/3	37	2/0	8	0.115	0.140	2.46	6070
15 KV @ 100% INSULATION LEVEL							
4	7	8	8	0.175	0.140	1.84	3185
2	7	6	8	0.175	0.140	1.88	3400
1	19	5	8	0.175	0.140	1.98	3990
1/0	19	4	8	0.175	0.140	2.05	4145
2/0	19	3	8	0.175	0.140	2.15	4904
4/0	37	1	8	0.175	0.140	2.4	6853
250	37	1/.	8	0.175	0.140	2.5	7400
350	37	2/0	8	0.175	0.140	2.75	9478
500	37	3/0	8	0.175	0.140	3.10	13030

All values are nominal and subject to correction.