

1.0 PURPOSE

To establish a policy that ensures that packing glands can cover the full outside diameter (o.d.) range of the portable (trailing) cable including tolerances specified in the ICEA standards.

2.0 SCOPE

This policy applies to all machines that receive power through a portable (trailing) cable that are submitted for MSHA approval under 30 CFR Part 18.

3.0 REFERENCES

30 CFR 18.35(a)(6) Portable cables and cords used to conduct electrical energy to face equipment shall ...have nominal outside dimensions consistent with IPCEA standards.

4.0 DEFINITIONS

None

5.0 POLICY

- 5.1 Manufacturers applying for approval of mining equipment are limited to the specifications for the nominal outer diameter of trailing cables listed in the IPCEA (now ICEA) standards in effect at the time of their application.
- 5.2 Because of the relatively short life of trailing cables, mine operators may replace them many times during the machine's operational lifetime. Since the mining equipment manufacturer normally has no control of the replacement cable, trailing cables that enter enclosures that are certified as explosion-proof must use packing glands that cover the full outside diameter (o.d.) range of the cable, including tolerances specified in the ICEA standards.
- 5.3 Several applications requesting acceptance of trailing cables that are not listed in past or current publication of the ICEA standards have been approved. These cables were evaluated on a case by case basis. Acceptance was determined by, but not limited to, whether the cable met or exceeded similar ICEA standards in regard to construction, material and manufacturing tolerances. Acceptable documentation included the cable manufacturer's specifications. Future applications requesting this same type of acceptance will be processed in this same manner.