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**Test Method for
Cold Bend**

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140 Philips Road
Exton, PA 19341

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1.0 SCOPE

The purpose of this procedure is to provide instructions on testing the cold bend properties of flexible outdoor polyvinyl chloride (PVC) or polyethylene (PE) cable.

2.0 EQUIPMENT

- 2.1. An environmental chamber having size, dimension and temperatures capable of performing the test described herein. The environmental chamber must be capable of maintaining PVC conditioning temperatures from $-40^{\circ}\text{C} \pm 1\text{C}^{\circ}$ ($-40^{\circ}\text{F} \pm 1.8\text{F}^{\circ}$) for 24 hours or for PE $-55^{\circ}\text{C} \pm 1\text{C}^{\circ}$, ($-67^{\circ}\text{F} \pm 1.8\text{F}^{\circ}$) for 24 hours.
- 2.2. Test mandrels having a diameter that is ten times the Cable Diameter (10 x Nominal Cable Diameter) rounded to the nearest $\frac{1}{2}$ inch $\pm 5\%$. For example, for 6 Series Quadshield cable with an outside diameter of 0.297 inches, requires a mandrel overall diameter of 3.0 inches $\pm 5\%$.

3.0 DIAGRAM

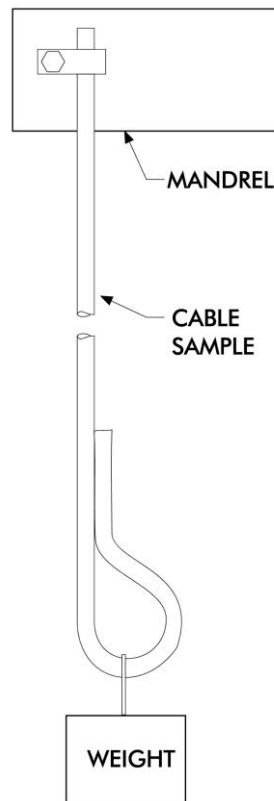


Figure 1 – Test Fixture