
STANDARDS BULLETIN No : S12-XXX

SUBJECT: Use/ retorting of 11KV PVC or ERP cables.

Purpose:

Introduction of LV flexible cables as dropper cable for use with live line clamps and LV flexible or LV XLPE cables for other usage.

Reason:

35sqmm Cu 11kV PVC or 22kV 120sqmm EPR has often been used in the past with HV live line clamps. These cables have long lead times owing to their stiff nature. In order to reduce the mechanical damage occurring to these cables, it is preferred to use LV copper flexible cables with minimum insulation thickness of 2mm for any inadvertent contact.

This change will also help in easier installation owing to their reduced cross section while providing adequate current carrying capacity.

Requirements:

Single phase LV flexible cable is to be used in conjunction with live line clamps up to the next point of connection (eg from HV live line clamp to EDO assembly for transformer constructions).

Other usage of Cu PVC is replaced by LV flexible or LV XLPE depending on whether or not stiffness is required. (Eg XLPE is used from the EDO assembly to surge arrester and HV bushings for a transformer construction).

Practice is to be made for all new installations and for retrofitting during maintenance only.

Implementation:

The stock codes for 11KV PVC are henceforth removed in order to avoid their accidental use. EPR remains as they may be used as long as not connecting to HV live line clamps (such as from transformer HV bushing to EDO assembly).