

BW NS

End Preparation for Splicing

BW NS (Buried Wire Non-Shielded) is a non-shielded buried service wire featuring dry water-blocking technology. The wire features a ripcord, but technicians may prefer the following conductor access method, particularly in cold weather installations.

Required Tools

- Splicer's knife or rotary cable splitter (preferably with adjustable blade depth)
Tools pictured are representative of common tools used in the industry.

Procedure

- Determine the length of jacket to be removed and mark the cable at that length. Note: The jacket fits snugly around the conductors for added support. In order to remove jacket lengths in excess of 12", it may be necessary to remove two shorter lengths instead of one long one due to the friction between the jacket and conductor insulation.
- At the mark, ring the jacket circumferentially, stopping short of penetrating to the core. This will prevent damage to the underlying conductor insulation (three different tools depicted below).



- Bend the wire (gently but firmly) back and forth at the score line until the remaining jacket material separates and the conductors are visible in the separation.
- Slip the severed length of jacket from the conductors and terminate. With a minimal amount of practice a craftsman will be able to judge the depth of cut and bending force required to remove the desired jacket length. See images below.

