

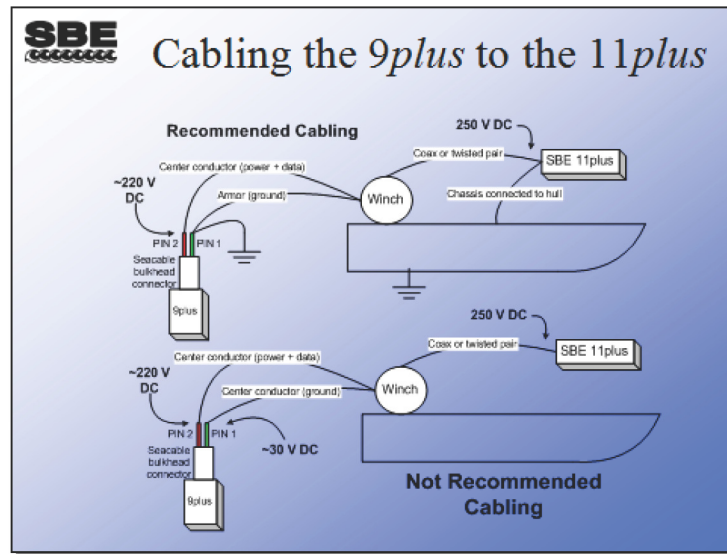
Cabling the *9plus* to the *11plus*



Cabling the *9plus* to the *11plus*

- Use #20 twisted pair or coax to cable between SBE *11plus* and winch
- Seacable is typically single or multi-conductor armored cable up to 10,000 meters, with less than 350 ohms resistance
- Grounding considerations
 - Use armor of sea cable for ground
 - Remember, salt water conducts, ship is metal (usually)
 - Ground chassis of your deck unit to hull of ship

Cabling the 9plus to the 11plus (continued):



The slide above illustrates the recommended cabling for the SBE 9plus and the 11plus as well as a *not* recommended method. The primary difference between the two is that the recommended method utilizes the seacable armor as the return or ground for the SBE 9plus. This ensures that the underwater instrument package will be at the same potential, presumably ground, as the ship's hull. If the *not* recommended method is used, there is the possibility that the instrument package will be at a higher potential than the ship's hull and may cause injury to the crew that handles the over-the-side equipment.