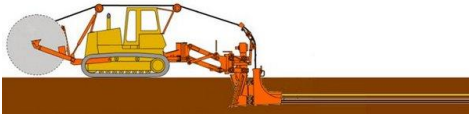


Ploughing manual



Power cable rated voltage
6/10 (12), 12/20 (24), 18/30 (36) kV
Type – AHXAMK-W

Ploughing - the cable laying method (for underground cable only) by which cable is put directly into the ground using a machinery and special tool – the cable plough.

Soil should be suitable for such cable laying method – plough laying in stony soil is strictly prohibited. Soil compliance should be checked due pre-planning of ploughing.

Following requirements and restrictions should be taken into account due pre-planning and direct cable ploughing:

1. Ploughing depth should follow local recommendations – underground water and frost penetration.
2. Mechanical damages due future ground works should be predicted and minimized. Warning sign should be applied simultaneously.
3. Do not exceed limits of cable bending radius mentioned by the Producer. Multiple bending prohibited.
4. Do not exceed limits of cable pulling force mentioned by the Producer.
5. To avoid stone damage it's recommended to use preliminary ploughing. Big and sharp stones should be removed.
6. Due cable laying plough should move smoothly without jerks.
7. Equipment should be under control to prevent payout knobs jamming.
8. Only straight direction allowed. Do not use reverse due cable ploughing.
9. Due and after ploughing cable ends should be securely sealed to avoid water penetration.



April 4th, 2014