

Safety warning

Danger notice regarding the ePTO cable connection between the tractor unit and the trailer according to IS23316-2

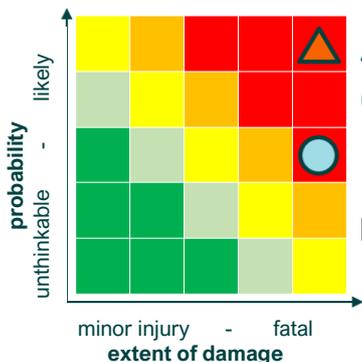


Risk of Accident:

Signals for braking systems ABS/EBS (ISO 7638-1) and lighting systems (ISO 12098) are currently transmitted using spiral cables due to the swinging of the trailer and the resulting length changes.

Experience shows that, although it is rare, loose contacts and cable disconnections cannot be prevented with this solution principle. The consequences in the 24 V voltage range are usually unproblematic.

If the same principle were applied when connecting high-voltage cables, where one is aware that cable disconnections and loose contacts may occur, and this is in a voltage range where an electric shock presents a fatal accident risk, the construction of such a device would constitute a violation of the **Machinery Directive 2006/42/EC, Article 5, Annex I**.



w/o spiral cable
spiral cable

A shock at 400–800 V presents a risk that can lead to death. As with cables for braking and lighting systems, there is also a risk with the high-voltage cable connection that, despite spiral strain relief, the cables may be torn out.



This risk cannot be removed from the critical area despite safety measures.