



Service data bulletin

Instrument: GDS101

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SUBJECT: **Transducer cable length**

WHAT TO DO: Standard transducers for SKIPPER Navigation Echo Sounders are delivered with 25 meters or 40 meters cables. When the distance to the Recording Cabinet is more than 25 / 40 meters, the transducer cable is led into a junction box provided with the transducer. From the junction box and to the recording cabinet, a good quality, screened ship's installation cable is installed.

In the very few cases where 40 meters is not long enough cable to reach a suitable place to install the junction box, longer cables may be spliced on to the transducer element.

As the splice will not be able to pass through the watertight gland in the transducer tank, the transducer cable is cut 0.15 m from the transducer element and a new length of cable spliced on to the element.

The type of splice used has been developed for use in the Offshore Industry and are also used in the Underground Mining Industry.

As we have been using this type of cable splice for more than 10 years without any negative experiences, there are no indication of any degradation of the transducer quality caused by this type splice.

