

9 Appendices

9.1 Appendix on cable extension / replacement

The sensor cable of the SR05 series is equipped with a M12-A straight connector. In case of cable replacement, it is recommended to purchase a new cable with connector at Hukseflux. In case of cable extension, it is recommended to purchase an extension cable with connector pairs at Hukseflux. Please note that Hukseflux does not provide support for Do-It-Yourself connector and cable assembly.

SR05 is equipped with one cable. Maximum length of the sensor cable is recommended to be 40 metres. It is good practice to keep the length of the instrument as short as possible to avoid inference of the signal and keep noise at acceptable levels.

Do not use SR05's original factory-made cables with a total length of more than 40 metres.

Connector and cable specifications are summarised on the next page.



Figure 9.1.1 *On the left the SR05 cable with M12-A female connector on sensor end. The cable is non-stripped on the other end. Its length is 3 metres standard and available in 10 and 20 metres too. On the right Hukseflux extension cable with connector pairs, with male and female M12-A connectors, available in 10 and 20 metres.*

Table 9.1.1 *Specifications for SR05 cable replacement and extension*

General replacement	please order a new cable with connector at Hukseflux
General cable extension	please order an extension cable with connector pairs at Hukseflux
Connectors used	chassis: M12-A straight male connector, male thread, 5-pole manufacturer: Binder cable: M12-A straight female connector, female thread, 5-pole manufacturer: Binder The shield is electrically connected to the connector housing
Cable	5-wire, shielded manufacturer: Binder
Length	cables should be kept as short as possible; total cable length should be less than 40 m
Outer sheath	with specifications for outdoor use (for good stability in outdoor applications)