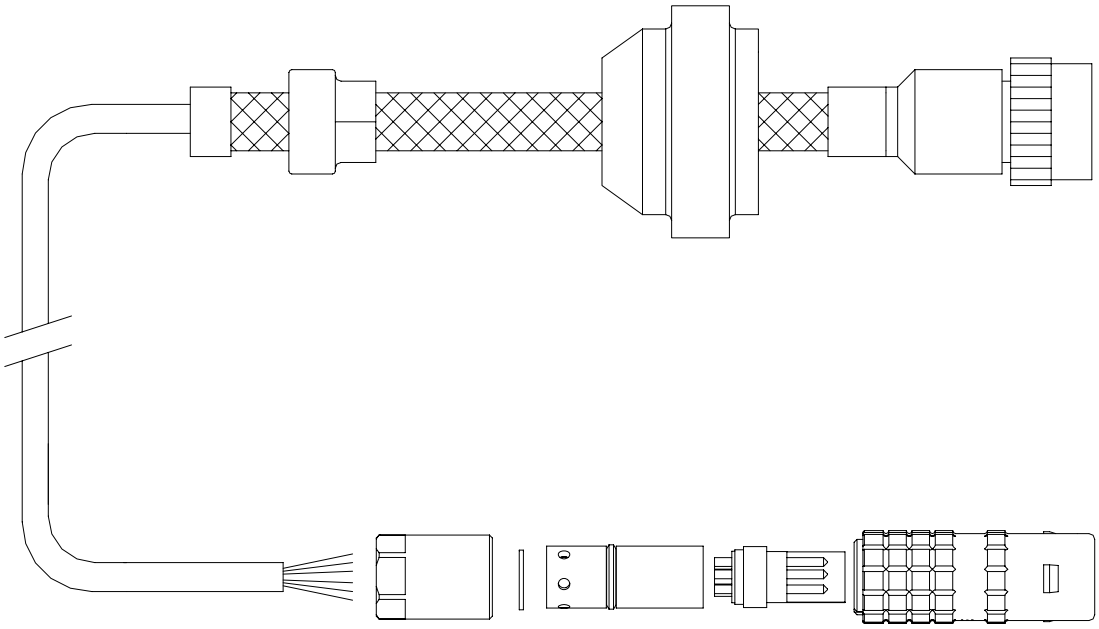
K-RZD3

VAL0138086 / SKC2122247



TDC SENSOR CABLE FOR RGP42DD
ROTOR AND SHAFT CABLE

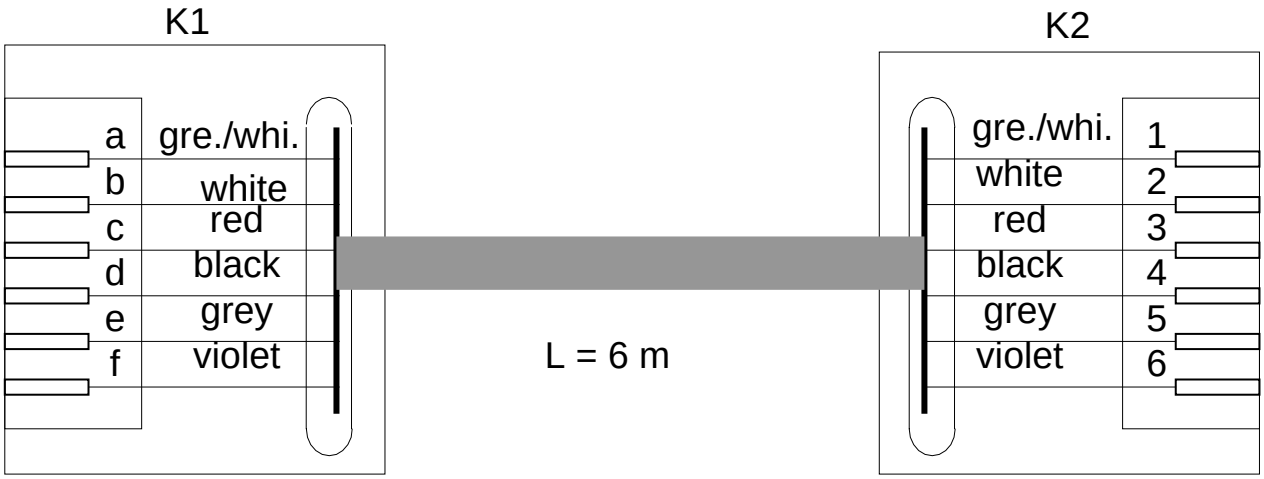
DESCRIPTION

CONTENTS

1. GENERAL

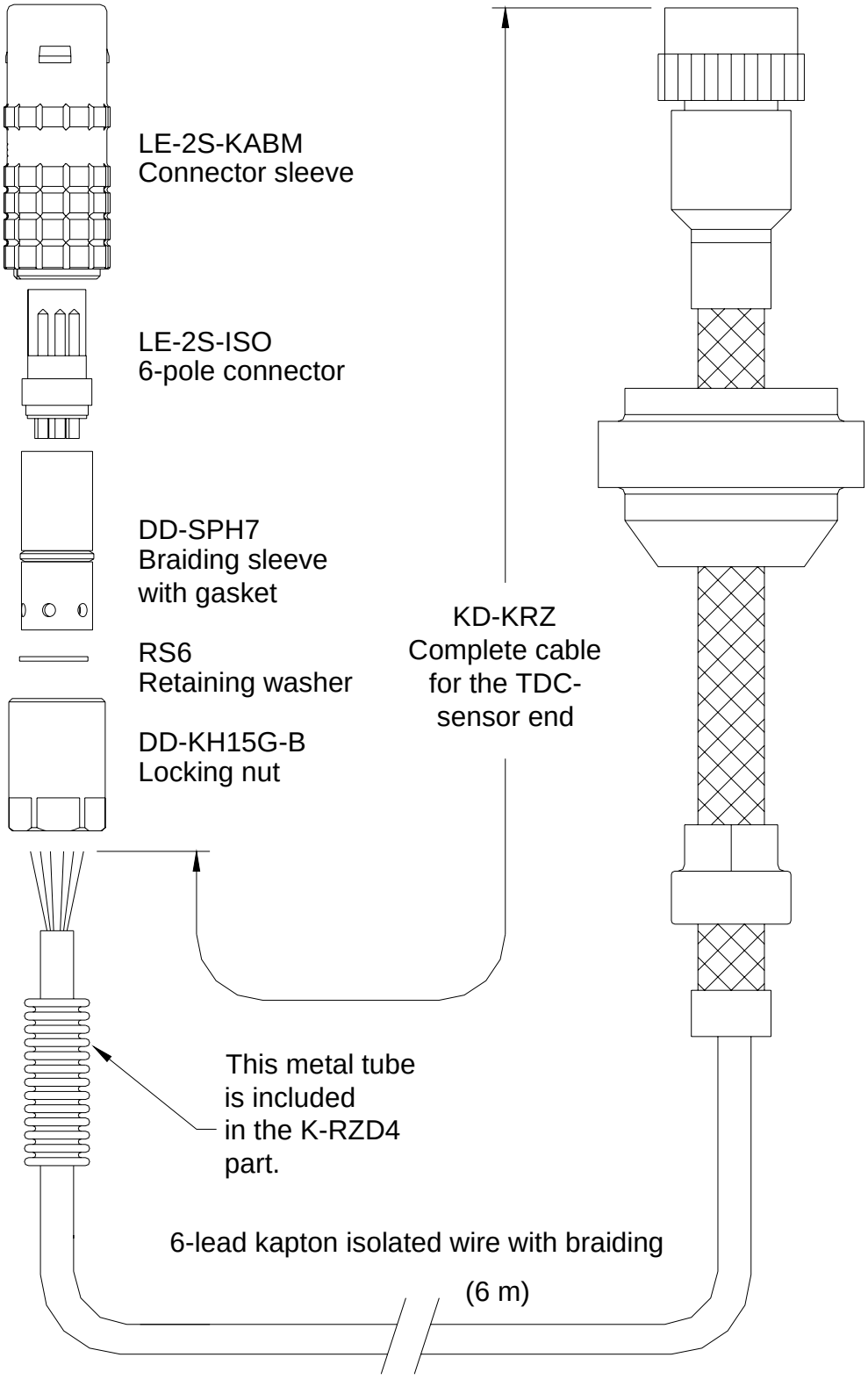
The cable K-RZD3 is connecting the TDC-sensor in the rotor to the rotating electronic unit placed in the middle shaft coupling on a RGP-42CD/DD refiner. The cable is mounted inside a protective metal tube inside the shaft and rotor (K-RZD4). Due to that the cable is drawn inside the flexible tube, the connector at the middle shaft side (to the rotating electronic unit) must be cut, mounted and soldered at the time of assembly.
The connector should also be locket with epoxy glue (Super Epoxy or equivalent). Due to the storage life of the epoxy glue, it is NOT included in this package.

2. CONNECTION DRAWING



3. PARTLIST

3.1 Assembly drawing



3.2 Assembly parts

KD-KRZ, Complete cable.
This cable part is delivered with the connector in the TDC-sensor end completed. The cable is 6 meter long and is spliced with a pulling wire and the mounted from the sensor end toward the middle shaft. The cable is protected by a the K-RZD4 part which mainly consists of a flexible metal tube.

LE-2S-KABM, Connector sleeve.
The sleeve includes a external thread which is jointed to the DD-KH15G-B part. This part is mounted last in the assembly.

LE-2S-ISO, 6-pole connector.
The connector is soldered to the cable at assembly.

DD-SPH7, Braiding sleeve with gasket.
The sleeve protects the soldered pins on the connector and mounted plain to the connector. It is filled with 2-cpompound Epoxy glue after the soldering to the connector. The small holes are used to "sew" the braiding of the cable to relieve the electrical cable from axial forces. Note that there is a gasket mounted on the sleeve.

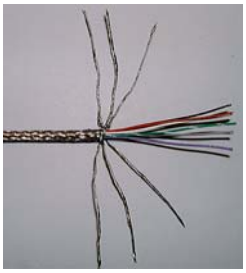
RS6, Retaining washer.
This washer is mounted on the flexible tube and will act as support toward the locking nut (DD-KG15G-B).

DD-KH15G-B, Locking nut.
This piece has a internal thread and is mounted together with the LE-2S-KABM to finish the assembly of the cable connector.

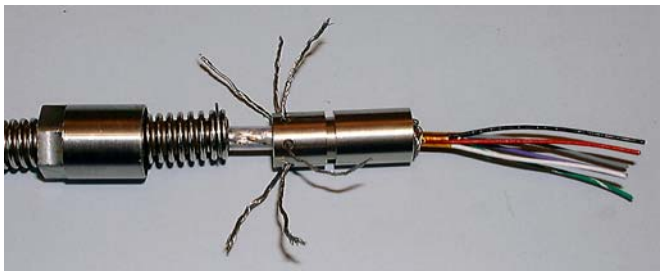
4. MOUNTING INSTRUCTION

Please read this instruction completely before you start the mounting procedure.
The cable is mounted from the TDC-sensor hole in the rotor toward the middle shaft. The connector for the TDC-sensor is completed at the factory but the connector in the middle shaft end must be mounted and soldered. The cable can be substituted without any actions on the K-RZD4 (protective and sealing tube) and the center plate of the rotor can also be left intact.

- Push the wire in the end of the cable trough the metal hose from the TDC mounting hole to the split shaft coupling.
- Drag the cable KD-KRZ through the metal hose.
- Cut the cable to approximate 60mm from the end of the metal hose.
- Put the sleeve DD-KH15G-B on to the metal hose. (Threads towards end of cable) and the retaining washer to lock it.
- Twine the screen cover in to six separate smaller braids.



- Put one of the braids in each hole of DD-SPH7.
- Pull the sleeve DD-SPH7 back to make room for the soldering.



- Cut each wire of the cable 20mm from the end of the screen cover.
- Remove the insulation on each wire of the cable 4mm.
- Connect the wires by soldering, in the following order.
  1 = Green/ White. 2 = White. 3 = Red. 4 = Black. 5 = Grey. 6 = violet
- Pull the sleeve back next to the connector LE-2S-ISO
- Cut the six braids to appropriate length ant fold them back in to the sleeve DD-SPH7 again.
- As a final point fill the sleeve up whit Super Epoxy or equivalent, make sure that the sleeve and the LE-2S-ISO do not slip apart under the duration of the hardening (1h).