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CAN bus Distances and CAN fiber extension gateways from EKS Engel

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Maximum CAN bus length The maximum length of the communication bus wiring is dependent on the configured baud rate. Observe the maximum bus length. (Source: CANopen; Holger Zeltwanger (Hrsg.); 2001 VDE VERLAG GMBH, Berlin und Offenbach; ISBN 3-8007-2448-0).



Recommendation is to think about CAN Fiber Optics conversion to increase CANbus distance

Download EKS Engel CAN Fiber Gateway application note here:

https://wss.woodward.com/manuals/PGC/easYgen-3000XT_series/Application_Notes/45056_AN_CAN-to-Fiber-Converter_A.pdf

EKS 3DSTP CAD Modell

https://wss.woodward.com/manuals/Support/CAD_data_3rdparty_accessories/WWD_8445-1048_DL-CAN_CANR_Fibre_Modules_STEP_File.zip

Woodward P/N 8445-1050 DL-CAN-FD-R-FV / 2X13 MM-SC

<https://www.eks-engel.de/en/products/industrial-network-technology/interface/the-dl-can-fv-dl-can-r/>

which refers to: [Ring Coupler for CAN FD Networks: DL CAN-FV](#)

Attachments

- [fibre_replacement_tree_01.pptx \(97.21 KB\)](#)
- [DL-CAN-FD_Produktvorstellung.pdf \(1.15 MB\)](#)