

Presentation

OZD FIP G3 optic transceivers are particularly suitable for use in applications which are subject to harsh electrical environments or which are spread over large areas:

- Public buildings
- Large-scale industrial sites
- Water treatment and distribution
- Transport and highway tunnel infrastructures, etc.

The **OZD FIP G3** optic transceiver enables conversion of a FIP electric interface into 2 FIP optic interfaces and vice versa. As a result, it allows the use of redundant ring topologies, which improve installation availability even when a line is broken at a point in the medium.

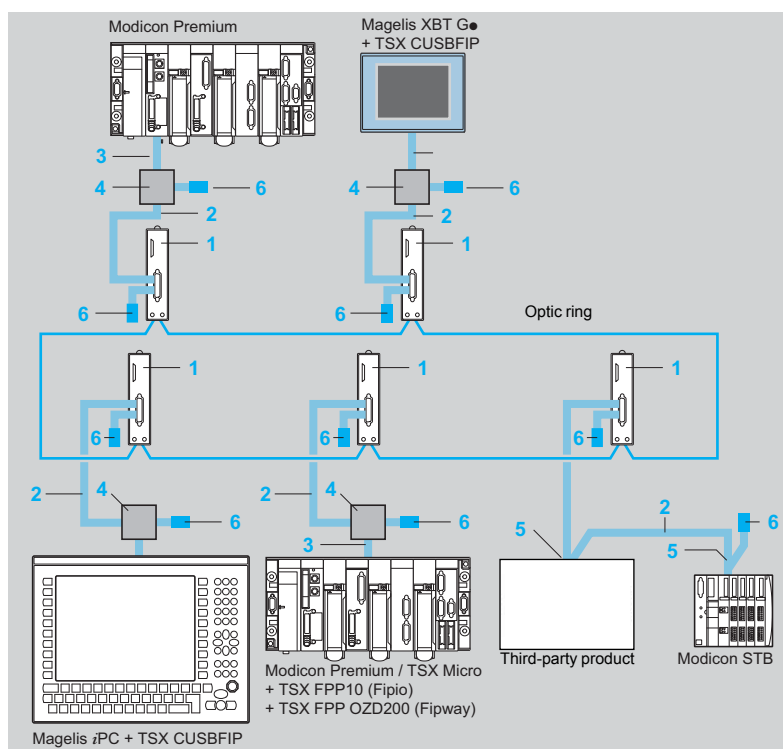
In these situations, the length of the bus or of the Fipio/Fipway ring can reach:

- 20 km with a maximum of 32 transceivers on Fipio
- 20 km with a maximum of 20 transceivers on Fipway

see characteristics page 5/109.

These characteristics can be increased by using mixed topologies, such as 2 serial optic rings or 2 serial optic buses; please consult your Customer Care Centre.

Wiring system



- 1 **OZD FIP G3**: Fipio/Fipway optic transceiver
- 2 **TSX FP CA●00**: 150 Ω shielded twisted pair trunk cable (Ø 8 mm) for use in standard environments and inside buildings (1).
- 3 **TSX FP CG0●0**: tap-off connection cable for **TSX FPP10/OZD200** PCMCIA card for TSX Micro/Premium PLCs.
- 4 **TSX FP ACC3/4**: T-junction box. This box also has two 9-way female SUB-D connectors for connecting any device which connects to the bus via a PCMCIA card.
- 5 **TSX FP ACC2/12**: 9-way female SUB-D connector for Fipway/Fipio connection using daisy chaining or tap link connection.
- 6 **TSX FP ACC7**: line terminator to be placed at each segment end.
TSX LES 65: terminal block for TSX Series 7 PLC, which performs address coding.

(1) Trunk cable **TSX FP CR●00** for use in harsh environments and outside buildings, see page 5/113.