



MUX-2M/64

Communication Interface

The MUX-2M/64K is a group of communication interfaces connecting relays with pilot protection and digital communication multiplexers. For NR Electric PCS series products, the relays with pilot protection are PCS-902 line distance relay and PCS-931 line differential relay.

A relay is connected to the MUX-2M/64K with optical fiber based on C37.94 protocol. The MUX-2M interface is connected to the SDH multiplexer with twisted-wire based on G.703 protocol. Especially, the MUX-64K interface adopts a pulse-code modulation (PCM) digital communication device with twisted-wire based on G.703 protocol between itself and the SDH multiplexer to convert 64kbit/s signal to 2Mbit/s.

Type	Optical interface	Electrical interface	Rate	Codec	Power
MUX-2MA	Single-mode, FC, 9/125um	Balanced twisted-wire	2048Kbps	1B/1B 1B/2B 1B/4B C37.94	DC: 18V~373V AC: 88V~264V
MUX-2MB	Multimode, ST, 62.5/125um	Balanced twisted-wire	2048Kbps	1B/1B 1B/2B 1B/4B C37.94	
MUX-64KA	Single-mode, FC, 9/125um	Balanced twisted-wire	64Kbps	1B/4B	
MUX-64KB	Multimode, ST, 62.5/125um	Balanced twisted-wire	64Kbps	1B/4B	

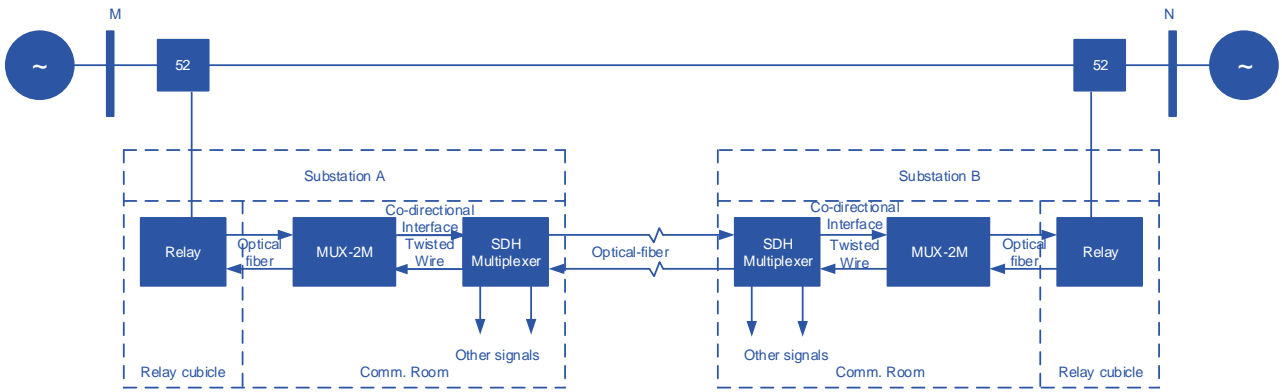


Figure 1 MUX-2M application

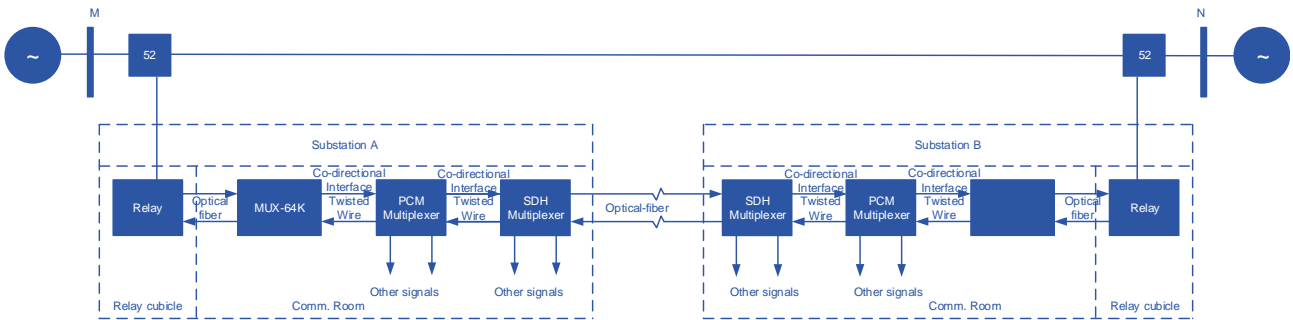


Figure 2 MUX-64K application