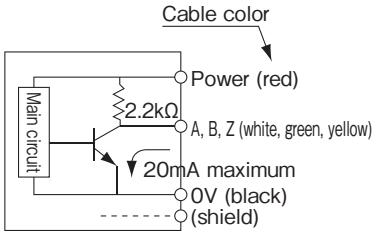
ME series [Square Wave/Incremental]

- Widely available from low pulse to high resolution pulse. A desired division pulse number is easily available because of internal manufacturing.
- Outside diameters are available in series from ultra-small type to large type and selection should be made in accordance with the fitting shaft and division pulse number.
- All products are of thin type, and especially the hole type is an encoder best suited for fitting.
- Investigation is possible under optimum conditions such as noise resistance and reduction in current consumption depending on the purpose of use.

Output circuit diagram

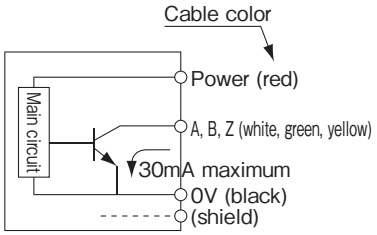
Voltage output (standard type)



Main body—shield no connection

Supply voltage
DC5V to 12V or 5V/12V fixed

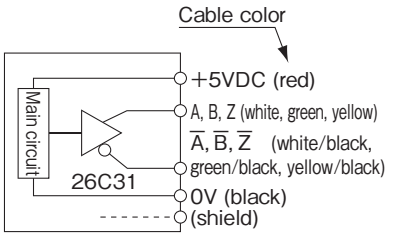
Open collector output (option)



Main body—shield no connection

Supply voltage
DC5V to 12V or 24V fixed

Line driver output (option)

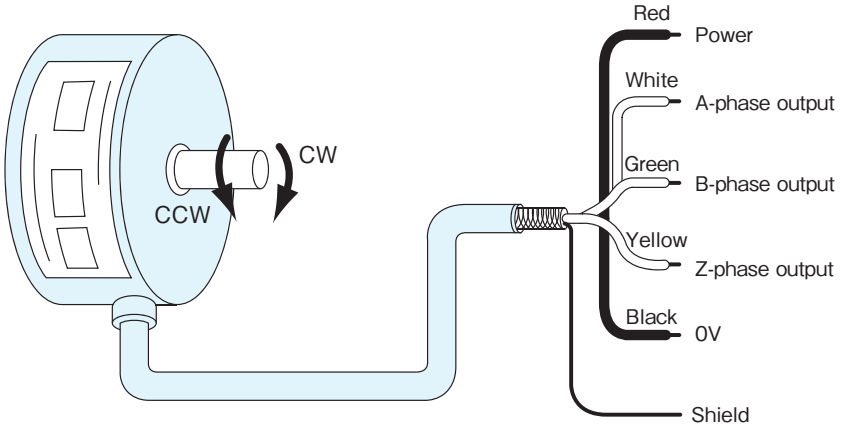


Main body—shield no connection

Supply voltage DC5V
Current consumption 150mA or less

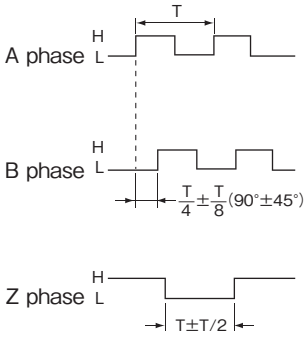
Note: If the transmission distance is long, it should be so considered that the specified voltage occurs at the input portion of the encoder cable end.

A capacitor (0.1μF) is connected between 0V and FG (frame ground).

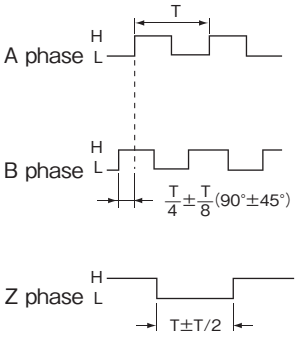


Output waveform

CW rotation
(CW rotation as seen from fit surface)



CCW rotation
(CCW rotation as seen from fit surface)

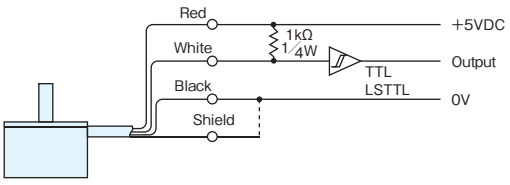


*The position of Z phase against A, B phase is not specified.

Connecting example

Connecting with IC circuit
(the cable length should be as short as possible)

①Connecting to TTL/LSTTL



②Connecting to CMOS