

Typical cautions when handling POF

MITSUBISHI CHEMICAL CORPORATION

1. Cautions on its application

- 1) Please do not use the optical fiber ESKA™ inside the human body, or for any application where it will come into direct contact with food.
- 2) When connecting to a light source with a very high brightness, such as halogen lamps and collected sunlight, use a heat source cut filter or cooling devices to keep the temperature from rising. Make sure to use the line within the specified operating temperature range.
- 3) When installing the optical fiber ESKA™, follow the laws and regulations of the country or region where it is used.

2. Usage Environment, Cautions in Storage Conditions

The optical fiber ESKA™ is flammable. Make sure to use and store the line at the specified temperature range for each type.

- 1) Do not use open flames near or around the optical fiber ESKA™.
- 2) Do not use the optical fiber ESKA™ in a location where there is a lot of dirt or dust.

If the end face of the optical fiber gets contaminated with dust or dirt, it can reduce optical characteristics.

Also, when a very strong light is concentrated, the dust or dirt may heat up and deform the end of the optical fiber or cause it to ignite into flames.

- 3) Place any remaining ESKA™ optical fibers in the container casing for storage.

3. Cautions Regarding Solvents and Chemicals

- 1) For cleaning of the ESKA™ optical fiber, use water or a diluted neutral detergent. If a different detergent has been used, make sure to wash it off completely with running water.
- 2) Select bonding adhesives by performing adequate application testing before usage.
- 3) The surface of ESKA™ optical fiber must be cleaned of all solvents and oil before bonding. Failure to do so could result in adverse effects to its optical and mechanical characteristics.

4. Cautions for Disposal

Make sure to have an industrial waste processing company with furnace facilities that can process hydrogen fluoride gas and hydrogen chloride gas perform the disposal of the optical fiber ESKA™.

If you dispose of the optical lines on your own, follow the laws of your country or region. Burning ESKA™ optical fibers will produce a corrosive and toxic hydrogen fluoride gas, and burning the vinyl chloride insulation cables will produce corrosive and toxic hydrogen chloride gas.