

# ESKA™ Plastic Fiber Optic & Cable General Technical Information

Manufactured by Mitsubishi Rayon Co., Ltd.

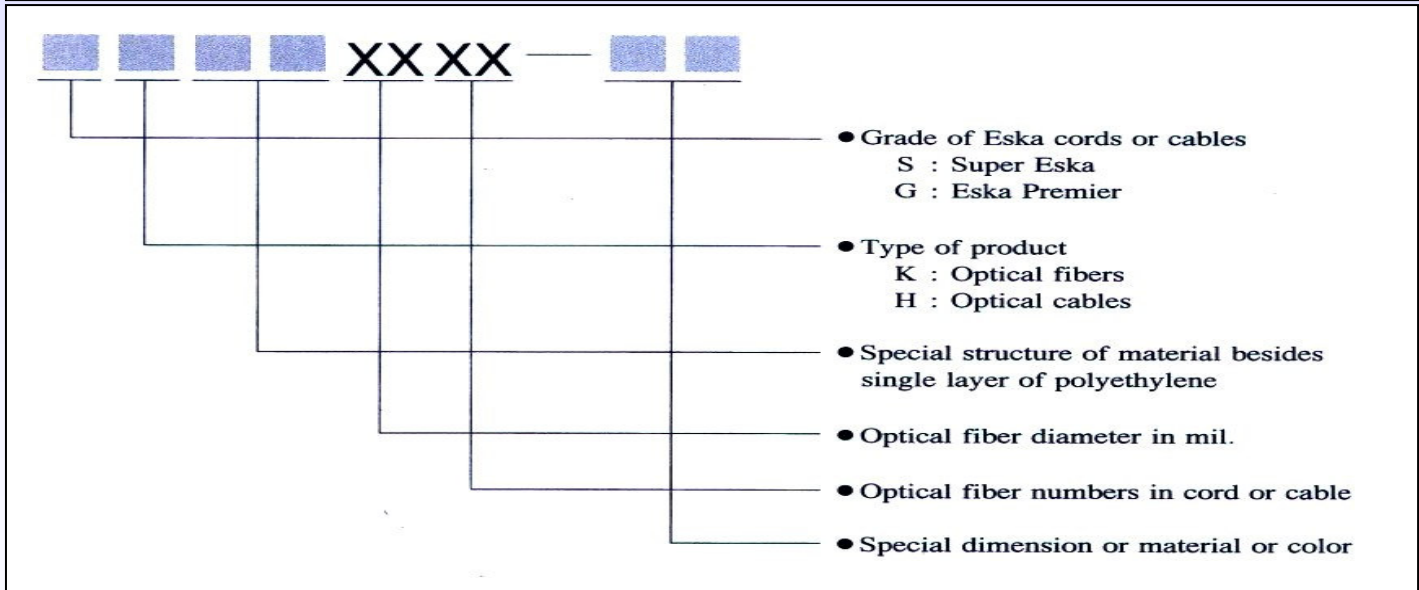
Marketed and sold by Mitsubishi International PolymerTrade Corporation

## Product Line-up

| Application        | Lighting     | Sensing      | Industrial Data Com | High Bandwidth | Heat Resistance             | Tight Bending | Home Network   |
|--------------------|--------------|--------------|---------------------|----------------|-----------------------------|---------------|----------------|
| Grade              | ESKA™        | SUPER ESKA™  | ESKA PREMIER™       | ESKA MEGA™     | ESKA™ for high temperatures | ESKA™ bend    | ESKA™ Optohome |
| Fiber Code         | CK           | SK           | GK                  | N/A            | N/A                         | N/A           | N/A            |
| Cable Code         | N/A          | SH           | GH                  | MH             | BH                          | LH            | RH             |
| Refractive Index   | 1.49         | 1.49         | 1.49                | 1.49           | 1.49                        | 1.492         | 1.49           |
| Numerical Aperture | .05          | .05          | .05                 | .03            | .058                        | .05           | .05            |
| Temperature Range  | -55°C ~ 70°C | -55°C ~ 70°C | -55°C ~ 85°C        | -55°C ~ 85°C   | -55°C ~ 105°C               | -40°C ~ 70°C  | -55°C ~ 70°C   |
| Sample Item        | CK40         | SK40         | GK40                | MH4001         | BH4001                      | LH4001        | RHV 4002-CMR   |
| Attenuation        | <0.20dB/m    | <0.15dB/m    | <0.15dB/m           | <0.16dB/m      | <0.20dB/m                   | <0.45dB/m     | <0.19dB/m      |

1 Attenuation is measured at 650nm collimated light. Note that attenuation and some other specifications described here will change based on the diameter of the fiber and the material used for the cable jacket

## Product Code Designations



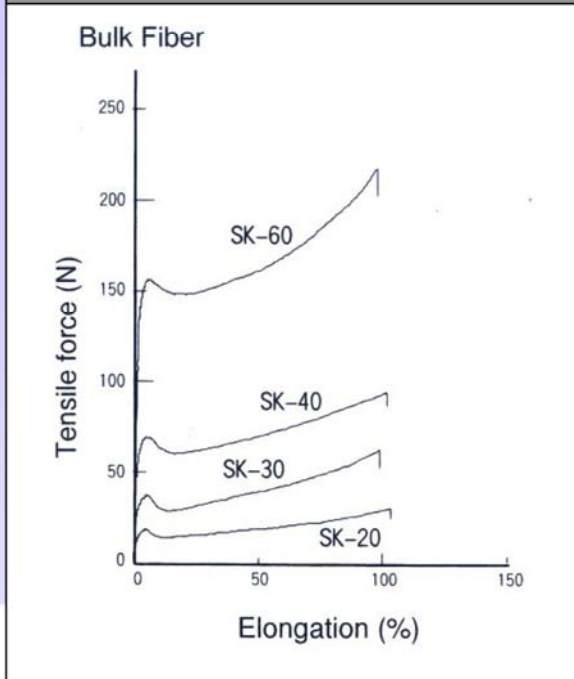
The information contained herein is presented as a guide to product selection. It is subject to change without notice, and should not be regarded as a representation, warranty or guarantee with regard to the quality, characteristics or use of this product

# ESKA™ Plastic Fiber Optic & Cable General Technical Information

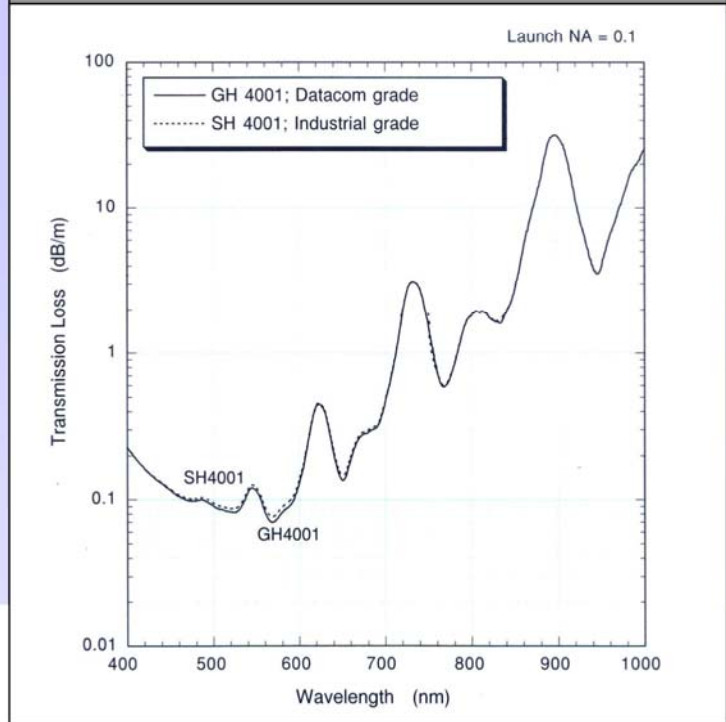
Manufactured by Mitsubishi Rayon Co., Ltd.

Marketed and sold by Mitsubishi International PolymerTrade Corporation

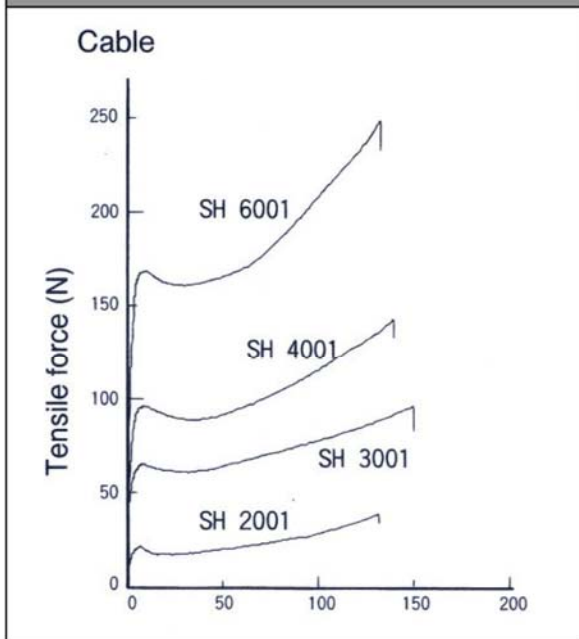
## Tensile Characteristics: Bulk Fiber



## Typical Transmission Loss Spectrum Launch NA=0.1



## Tensile Characteristics: Cable



## Bending Loss

