

# Glass Optical Fiber (GOF) Cable For In-Car Data Transmission

Cable Specifications

## GOF Cable Specifications

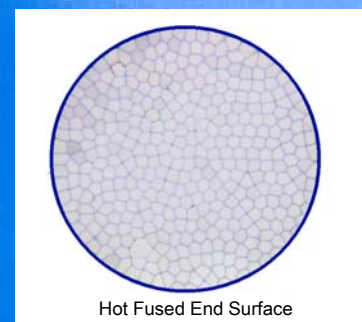
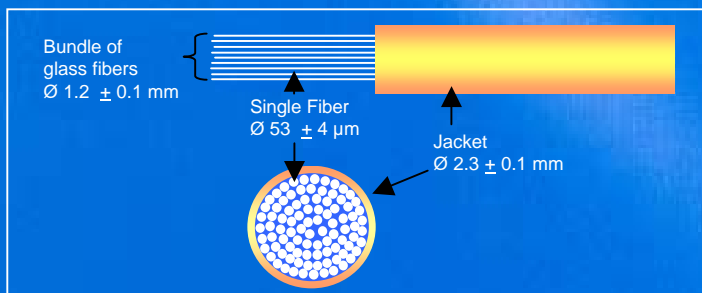
SCHOTT data cable is designed for use in vehicles. The cable fulfills the European Union directive 2000/53/EC and its amendments as also the VDA list 232-101.

The specified jacket is suitable for the indicated temperature range. But with different jacket materials, the glass fiber cable may also be used in higher temperature ranges and more adverse environments. Therefore the SCHOTT data cable is also suitable for the engine compartment or chassis area.

Because the SCHOTT data cable is a multicore cable, it is especially useful in safety applications. Broken single fibers in the cable do not cause an interruption of data flow.

### Features:

Name of Fiber	G 2
Diameter Optical Surface:	Ø 1.0 mm manufactured
Diameter Single Fiber:	Ø 53 ± 4µm
Numerical Aperture:	0.5
Attenuation at 650 nm:	< 250 dB/km
Attenuation at 850 nm:	< 150 dB/km
Minimum Bending Radius (long term):	5 mm
Jacket Diameter:	Ø 2.3 ± 0.1 mm (others on request)
Temperature Resistance:	- 40°C to + 125°C (-40°F to +257°F)
(depending on jacket material)	- 40°C to + 150°C (-40°F to +302°F)
Bandwidth (at full NA):	Min. 150 MHz x 20 m
Chemical Resistance:	Resistant against oil, grease, bases, acid, fuel, water, PVC
Burning Behavior:	Flame retardant and self-extinguishing (in accordance to manufacturer data)
Delivery:	Barrel with max. 3.000 m
Color of Cable:	Black (others upon request)
Maximum Tensile Force:	> 60 N (IEC 793 2A4)
Weight of Cable:	5.8 g/m
Attenuation per Coupling:	Depends on the connector system



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