

Glass Optical Fiber (GOF) Cable

In-Car Data Transmission



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 including the VDA list 232-101.

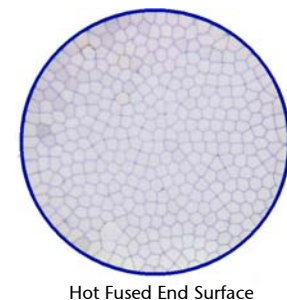
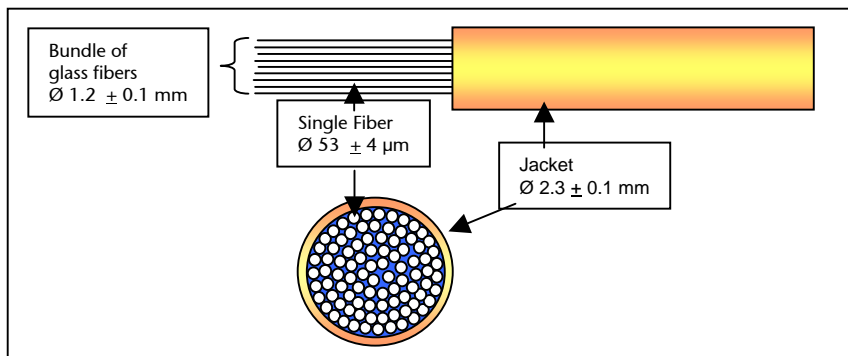
The specified jacket is suitable for the indicated temperature range. However, with different jacket materials, the glass fiber cable may also be used in higher temperature ranges and more adverse environments. This means that the SCHOTT data cable is also suitable for the engine compartment or chassis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

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Features:

Name of Fiber	G2
Diameter Optical Surface	Ø 1.0 mm manufactured
Diameter Single Fiber	Ø 53 ± 4 µm
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 + 157 °F)
Analog Bandwidth	Up to 500 MHz
Digital Bandwidth	Up to 2x analog bandwidth
Chemical Resistance	Oil, Grease, bases, acid, fuel, water and PVD
Burning Behavior	Flame Retardant / Self-extinguishing
Delivery	Spool, Barrel with max. 3.000 m
Color of Cable	Blue, Black, (Others upon request)
Maximum Tensile Force	>60 N (IEC 793 2A4)
Weight of Cable	5.8 g/m
Attenuation / Coupling	< 2.5 db / coupling including misalignment



For more information please contact

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