

OM-Giga-DE100

Gradient-Index Plastic Optical Fiber

OM-Giga is a poly(methyl methacrylate)-based GI-POF for high-speed short-distance data-communication applications. It does not contain any refractive-index modifying dopant, and has excellent mechanical properties and thermal stability.

Property	DE-100	Remarks
Fiber Diameter (core)	1.0 (0.9) mm	
Variation of Fiber Diameter	$\pm 5\%$	95% confidence interval
Jacket Diameter (minor axis / major axis)	2.2 / 4.4 mm	
Variation of Jacket Diameter	$\pm 5\%$	
Jacket Material	Polyethylene	Black or blue
Type of cable	Duplex	
Tensile Strength	> 70 N	at break
Bending Radius	25 mm	
Operating Temperature	$-30 \sim 70$ °C	
Attenuation at 650 nm	< 200 dB/km	Measured by OTDR
Bandwidth	> 3.0 Gbps	at 50 m

For additional information, please contact us at

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