

# GAIAGRID DS-100



## **Gradient-Index Plastic Optical Duplex Fiber**

**GAIAGRID** is a poly(methyl methacrylate)-based SI-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.

## Specification

Parameter	Unit	DS-100	Remarks
Fiber Diameter (Core)	mm	1.00	
Variation of Fiber Diameter	%	±5	
Jacket Diameter	mm	2.2 /4.4	
Variation of Jacket Diameter	mm	±5	
Jacket Material		Polyethylene	
Type of Cable		Duplex	
Tensile Strength	N	>140	at break
Bending Radius	mm	25	
Operating Temperature	°C	-40~75	
Attenuation	dB/km	<200	at 650 nm

Recommended for short-distance applications less than 50m although longer distance is possible depending on the Tx-Rx used