

Specifications for Plastic Optical Fiber

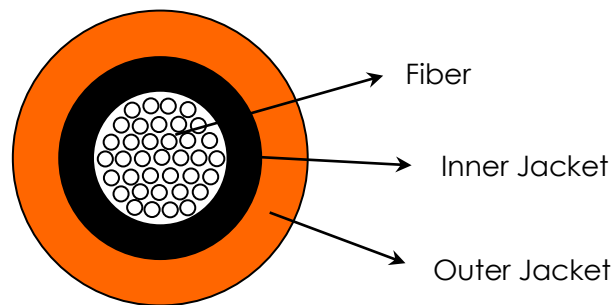
Multicore POF™ SMCS-1000-15-22N

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Issued by : Asahi Kasei Corporation
Plastic Optical Fiber
Marketing & Development Gr

1, STRUCTURE

ITEM	UNIT	Specifications
Core Material		PMMA
Clad Material		Fluorinated Polymer
Fiber Diameter	μm	1000 ± 60
Core Number		37
NA		0.6
Inner Jacket Material		Special Resin
Inner Jacket Diameter	μm	1500 ± 50
Inner Jacket Color		Black
Outer Jacket Material		PA12
Outer Jacket Diameter	μm	2200 ± 70
Outer Jacket Color		Orange



2, PROPERTIES

ITEM	UNIT	Specifications	
Application Temperature Range	°C	-55 ~ 85	
Attenuation	dB/m	≤ 0.6	*1
Tensile Strength at Break Point	N	≥ 150	*2
Minimum Bending Radius	mm	2	*3

Sample conditions

Temperature: T = 23°C
Humidity: RH = 50%
Storage time: t = 200h

*1 : Light Source : LED (Peak Wavelength = 657nm), 20-2m Cut-back Method

*2 : Interval between grippers = 100 mm, Tensile Speed = 100mm/min

*3 : L = 2m, 90 degree bending at the middle of fiber

Light Source : LED (Peak Wavelength = 657nm)
Transmission Rate ≥ 90%

3, RoHS certification

The product does not contain RoHS 2 hazardous substances, Cadmium, Lead, Mercury, Chromium (VI), PBB, PBDE, DIBP, DEHP, DBP and BBP intentionally.