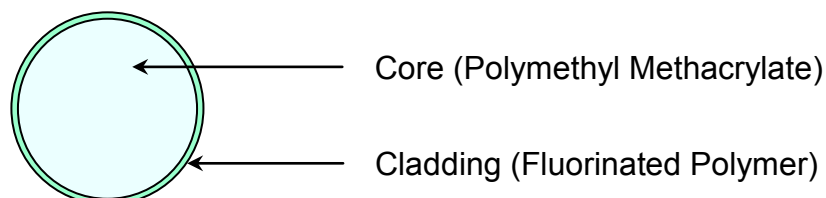


# TORAY RAYTELA®

## — PG series —

### 1. Structure



### 2. Specifications

Parameter		Performance
Core	Material	Polymethyl Methacrylate (PMMA)
	Refractive index	1.49
Cladding	Material	Fluorinated Polymer
	Refractive index	1.41
Refractive index profile		Step index
Numerical aperture (NA)		0.50
Acceptance angle		60°
Available temperature range Permanent use		-55 ~ 70 °C

### 3. Fiber Product List

Product Code	Core Diameter (μm)	Cladding Diameter (μm)	Length on Spool (m/spool)	Attenuation at 650nm (dB/m)	Allowable Bending Radius (mm)
PGS-FB 250	240	250	12,000 Text	≤ 0.30	9
PGR-FB 250				≤ 0.35	9
PGU-FB 500	486	500	6,000	≤ 0.18	9
PGR-FB 500				≤ 0.25	9
PGU-FB 750	735	750	2,700 9,000	≤ 0.15	9
PGR-FB 750				≤ 0.20	9
PGU-FB1000	980	1,000	1,500 5,250	≤ 0.15	9
PGR-FB1000				≤ 0.18	9
PGU-FB1500	1,480	1,500	700	≤ 0.15	20
PGR-FB1500				≤ 0.20	20
PGR-FB2000	1,980	2,000	350	≤ 0.20	20
PGR-FB3000	2,980	3,000	150	≤ 0.20	20

#### 4. Cord Product List

Product Code	Fiber/Jacket Diameter (mm)	Number of Fibers	Jacket	Length on Spool (m/spool)	Attenuation at 650nm (dB/m)	Allowable Bending Radius (mm)
PGU-CD 501 -10-E	0.5/1.0	1	PE	500	≤0.18	9
PGS-CD 501 -10-E					≤0.22	9
PGU-CD 501 -15-E	0.5/1.5	1	PE	500	≤0.18	9
PGU-CD 751 -18-E	0.75/1.8	1	PE	500	≤0.15	9
PGU-CD 751 -22-E	0.75/2.2	1	PE	500	≤0.15	9
PGS-CD 751 -22-E					≤0.18	9
PGU-CD1001-22-E	1.0/2.2	1	PE	500	≤0.15	9
PGS-CD1001-22-E				1,000	≤0.18	9
PGU-CD1501-22-E	1.5/2.2	1	PE	600	≤0.15	20
PGS-CD1501-22-E					≤0.18	20
PGU-CD1501-28-E	1.5/2.8	1	PE	600	≤0.15	20
PGS-CD1501-28-E					≤0.18	20
PGR-CD1501-28-E					≤0.20	20
PGU-CD2001-30-E	2.0/3.0	1	PE	300	≤0.18	20
PGR-CD2001-30-E					≤0.20	20
PGU-CD 502 -10-E	0.5/1.0 (2.0)	2	PE	500	≤0.18	9
PGS-CD 502 -10-E					≤0.22	9
PGU-CD 502 -15-E	0.5/1.5 (3.0)	2	PE	500	≤0.18	9
PGU-CD 752 -18-E	0.75/1.8 (3.6)	2	PE	500	≤0.15	9
PGU-CD 752 -22-E	0.75/2.2 (4.4)	2	PE	500	≤0.15	9
PGU-CD1002-22-E	1.0/2.2 (4.4)	2	PE	500	≤0.15	9
PGS-CD1002-22-E					≤0.18	9

#### 5. Light Guide Product List

Product Code	Fiber/Jacket Diameter (mm)	Number of Fibers	Jacket	Length on Spool (m/spool)	Attenuation at 650nm (dB/m)
PGS-LG265- 4 E10	0.265/1.0	4	PE	500	≤0.30
PGS-LG265- 8 E13	0.265/1.3	8	PE	500	≤0.30
PGS-LG265-16E22	0.265/2.2	16	PE	500	≤0.30
PGS-LG265-32E28	0.265/2.8	32	PE	500	≤0.30
PGS-LG265-48E30	0.265/3.0	48	PE	500	≤0.30
PGS-LG265-64E33	0.265/3.3	64	PE	500	≤0.30
PGS-LG500-32E42	0.5/4.2	32	PE	500	≤0.20

#### 6. Cable Product List

Product Code	Fiber/Cord/ Cable Diameter (mm)	Number of Fibers	Cord/Cable Material	Length on Spool (m/spool)	Attenuation at 650nm (dB/m)	Allowable Bending Radius (mm)
PGS-CL1001-22E50V	1.0/2.2/5.0	1	PE/Soft PVC	250	≤0.25	9