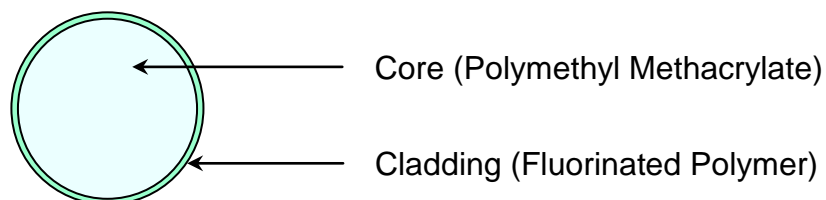


TORAY RAYTELA®

— PF series —

1. Structure



2. Specifications

Parameter		Performance
Core	Material	Polymethyl Methacrylate (PMMA)
	Refractive index	1.49
Cladding	Material	Fluorinated Polymer
	Refractive index	1.42
Refractive index profile		Step index
Numerical aperture (NA)		0.46
Acceptance angle		55°
Available temperature range Permanent use		-55 ~ 85 °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)
PFU-FB 500	486	500	6,000	≤ 0.18	17
PFU-FB 750	735	750	2,700	≤ 0.15	17
PFU-FB1000	980	1,000	1,500 5,250	≤ 0.15	17

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)
PFU-CD 501-10-E	0.5/1.0	1	PE	500	≤0.18	17
PFU-CD 501-15-E	0.5/1.5	1	PE	500	≤0.18	17
PFU-CD 751-18-E	0.75/1.8	1	PE	500	≤0.15	17
PFU-CD 751-22-E	0.75/2.2	1	PE	500	≤0.15	17
PFU-CD1001-22-E	1.0/2.2	1	PE	500 1,000	≤0.15	17
PFU-UD1001-22-E (Flame Retardant Type)	1.0/2.2	1	PE UL-Certified	500 1,000	≤0.15	17
PFU-UD1001-22-V (Flame Retardant Type)	1.0/2.2	1	PVC UL-Certified	500 1,000	≤0.15	17
PFU-CD1001-22-AD (D ² B Spec.)	1.0/2.2	1	Polyamide12	500	≤0.15	17
PFU-CD 502-10-E	0.5/1.0 (2.0)	2	PE	500	≤0.18	17
PFU-CD 502-15-E	0.5/1.5 (3.0)	2	PE	500	≤0.18	17
PFU-CD 752-18-E	0.75/1.8 (3.6)	2	PE	500	≤0.15	17
PFU-CD 752-22-E	0.75/2.2 (4.4)	2	PE	500	≤0.15	17
PFU-CD1002-22-E	1.0/2.2 (4.4)	2	PE	500	≤0.15	17
PFU-UD1002-22-E (Flame Retardant Type)	1.0/2.2 (4.4)	2	PE UL-Certified	500	≤0.15	17
PFU-UD1002-22-V (Flame Retardant Type)	1.0/2.2 (4.4)	2	PVC UL-Certified	500	≤0.15	17

5. 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)
PFU-CL1001-22E50VT	1.0/2.2/5.0	1	PE/Soft PVC With KEVLAR [®]	250 500	≤0.18	17
PFU-CL1002-22E60VT	1.0/2.2 (4.4) /6.0	2	PE/Soft PVC With KEVLAR [®]	250 500	≤0.18	17

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