

LUMINOUS TC-1000

Data Transmission Grade

ITEM	UNIT	TC-1000
CORE MATERIAL		PMMA
CLAD MATERIAL		Fluoro Polymer
JACKETING		PE (black)
NA		0,485
FIBER DIA.	mm	1,0 ± 0,045
CABLE DIA.	mm	2,2 ± 0,07
ATTENUATION ¹⁾	dB/m	0,15
TENSILE STRESS (ASTM-D 638)	kg/f	12,5
TEMPERATURE RANGE	°C	-40 / +85
MIN. BENDING RADIUS ²⁾	mm	30

1) Cut back 52 - 2m, at 650nm, Incidental Angle=0,15rad

2) L=1m, Transmission Rate > 95%

Heat Resistance

CONDITION	AGING TIME	OPTICAL POWER
85°C DRY	0 h	-17,4 dB/m
	160	-17,0
	500	-17,0
	1000	-17,5
85°C 95%RH	0 h	-17,4 dB/m
	160	-19,4
	500	-19,5
	1000	-19,3
60°C 95%RH	0 h	-17,4 d/Bm
	160	-17,3
	500	-17,3
	1000	-17,3

Light Source: 657nm LED, Fiber Length: 10m