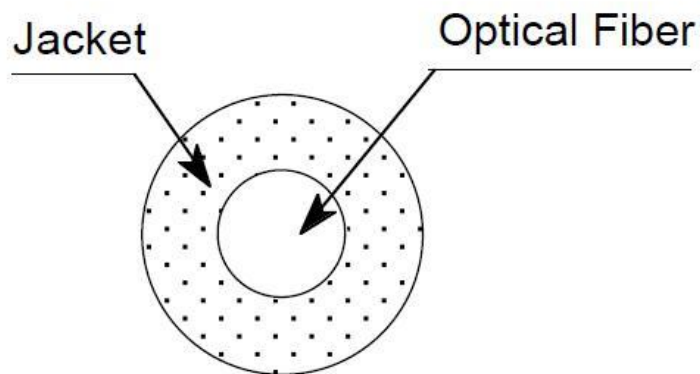


1. Structure

Item		V-2Y 1P980/1000		
		Specification		
		Min.	Typ.	Max.
Optical Fiber [ESKA SK-40]	Core Material	Polymethyl-Methacrylate Resin		
	Clad Material	Fluorinated Polymer		
	Core Reflective Index	-	1.49	-
	Clad Reflective Index	-	1.41	-
	Reflective Index Profile	Step Index		
	Numerical Aperture (NA)	-	0.5	-
	Core Diameter [um]	920	980	1040
	Clad Diameter [um]	940	1000	1060
	Core Number	1		
Jacket	Inner Jacket Material	Polyethylene		
	Inner Diameter [mm]	2.13	2.20	2.27
	Jacket Color	Black		
Approximate Weight		4 g/m		
Fiber Length On Spool [m]		1000/2600/ 5200		

Sectional View



2. Performance

			V-2Y 1P980/1000		
Item			Specification		
			Min.	Typ.	Max.
Maximum Rating	Storage Temperature[°C]	No Physical Change	-55	-	70
	Operation Temperature[°C]	No Deterioration in Optical Properties	-55	-	70
	Operation Temperature Under 95% RH [°C]	No Deterioration in Optical Properties	-	-	65
Transmission loss	Attenuation (collimated light) [dB/km]	650nm (Ta=25°C)	-	-	160
		650nm (Ta:Operation Temp.)	-	-	170
		660nm (Ta:Operation Temp.)	-	-	265
	Bandwidth	[launch NA > Fiber NA]	40 MHz.50m	-	-
Mechanical Characteristics	Minimum Bending Radius [mm]	(Ta:Operation Temp.)	-	25	-
	Repeated Bending Endurance[Times]	Loss Increment≤1dB [90° 25 mmR Dead Weight:500g]	10000	-	-
	Tensile Strength [N]	[Tensile Force at 5% Elongation;in Conformity to the JIS C 6861]	70	-	-
	Twisting Endurance [Times]	Loss Increment≤1dB [Sample Length:1m Tensile Force:4.9N]	5	-	-
	Impact Endurance [N.m]	Loss Increment≤1dB [in Conformity to the JIS C 6861]	0.4	-	-

All tests are carried out under temperature of 25°C unless otherwise specified.

* Attenuation change shall be within 10% after 1,000 hours.

** Attenuation change shall be within 10% after 1,000 hours, except that due to absorbed water.