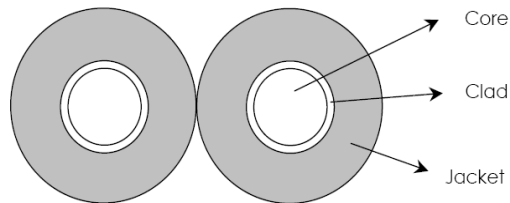


CD-1000-2 POF duplex cable

Description:



Structure:

Item		
Core	Core Material	PMMA
	Cladding Material	Fluorinated Polymer
	Core Diameter (μm)	980 \pm 60
	Cladding Diameter (μm)	1000 \pm 60
	Cladding non-circularity (%)	\leq 6
	Core Refractive Index	1.49
	Cladding Reflective Index	1.41
	Numerical Aperture	0.5 \pm 0.05
Jacket	Material	PE
	Diameter	4.4 \pm 0.2
	Color	Black
Approximate weight (g/m)	10.5	

Packaging:

Weight (g)	11000		
Length (m)	1000		
Spool weight (g/pc)	1200		
Carton size (mm)	L	W	H
	375	375	185
Carton weight (g/pc)	400		

Specifications:

Item	Condition	Unit	Specification	
Optical Performance	Attenuation	T=25°C @650nm	dB/m	≤0.20
	Bandwith	-	MHz.100 m	≥10
Mechanical Performance	4%Tensile Strength	Tensile Speed:100 mm/min	N	≥112
	Short Term Tensile Force	Keep time is less than 30 min	N	≤100
	Short Term Bend Radius	Keep time is less than 1 hour non-operating	mm	≥25
	Long Term Bend Radius	No Physical Deterioration and Optical Property	mm	≥35
	Crush	Crush Strength: 1400N/100mm Keeping Time: 1min	dB	Under visual examination the Jacket shall be no splitting ≤0.2 Change in attenuation shall not exceed 0.2
	Impact	Radius of striking surface: 12.5 mm Impact Energy: 0.2 N.m Impact Numbers: 3 Impact Point Distance: 500 mm	dB	Under visual examination the Jacket shall be no splitting ≤0.2 Change in attenuation shall not exceed 0.2
	Bend	Mandrel Diameter: 50mm Number of turns per helix: 6 Number of Cycles: 10	dB	Under visual examination the Jacket shall be no splitting ≤0.2 Change in attenuation shall not exceed 0.2
	Repeated bending	Bending Radius: 15 mm Load Strength: 10 N Repeat Times: 1000 bend angle: ±90°	dB	Under visual examination the Jacket shall be no splitting ≤0.2 Change in attenuation shall not exceed 0.2
Environmental Performance	Storage and Operating Temperature	No Physical Deterioration and Optical Property	°C	-55 to +85
	Recommended Operating Temperature	No Deterioration In Optical Properties	°C	-40 to +70
	Installation Temperature	No Deterioration In Optical Properties	°C	-20 to +70