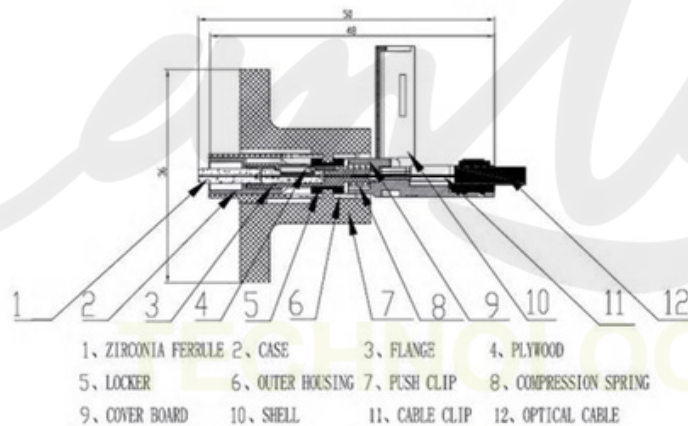


FICHA TÉCNICA

SCA5301K FAST CONNECTOR



Drawings



Material specification

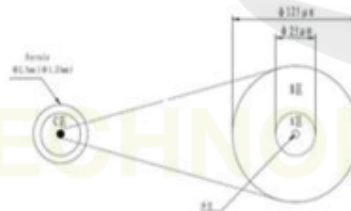
Name	Specification	Remarks
Fiber type	Single mode or Multi mode	Consistent with
Applicable for	Indoor or Outdoor FTTH	ROHS、IEC
Cable diameter	2*3mm	
Diameter of Cermic core	2.499±0.002mm	
Concentricity of Ceramic core	≤0.5um	
Material of plastic parts	PBT(Main-body); PEI(Inner-core);Dust Cap(PE)	
Spring material	304	

Optical performance

Project	Index	Remarks
Operating Wavelength	1260~1650nm	Consistent with GR326、IEC
Insertion loss	0.3dB (Typical) ;0.5dB (Max.)	
Return loss	APC ≥50dB;UPC≥45dB	
Repeatability	500 repetitions / I L ≤0.3 DB	
Tensile Strength	≥50N (Δ IL≤ 0.2dB)	
Operation time	About 50S	
Reusable	≥10 times	
Operating Temperature	-40~+85°C	

Inserted end face

1.Plug end face inspection method: 400# end inspection instrument 100% test 2. Regional sketch map :

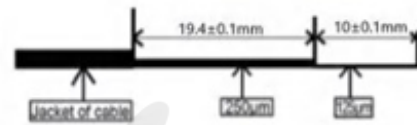


3.End face requirement

Region Defect	Region A (0~25um)	Region B (25~125um)	Region C (125~250um)
Scratch	Allow one scratch no more than the fiber core and width≤1um	Allow two scratches and the width≤2um	Allow five scratches and width≤2um
Speckle	Allow one speckle no more than the fiber core and diameter≤1um	Allow two speckles and the diameter≤2um	Allow two speckles and the diameter≤5um
Apron	Between area B and area C,allow apron which aperture width less than 5um;and the length of the apron is less than 30% of the perimeter of the fiber end		

Insert core end face 3D.

	APC	UPC
Fiber height (nm)	-100~+100	-100~+50
Radius of curvature (mm)	5~12	7~25
Apex offset (um)	≤50	
Angle error (°)	±0.3	



Fiber cutting length.

Fixed length device

Optical fiber cutting length diagram

TECHNOLOGY