

## Product Description

**KC97** (updated edition) cold shrink tube are designed for weatherproofing protection on cell site transmission line, comprising connections between jumper cable and RF devices such as RRU/RRH, Antenna, Combiner etc., through connectors of 7/16 DIN, N type or 4.3-10. Comparing with conventional tape, the cold shrink tube is easy and fast installation (15-30 seconds), conveniently mounting in vertical and horizontal directions, uniform quality and IPX8 performance not effected by workmanship.

**KC97**

(updated edition)

**Cold Shrink Tube**



## Feature

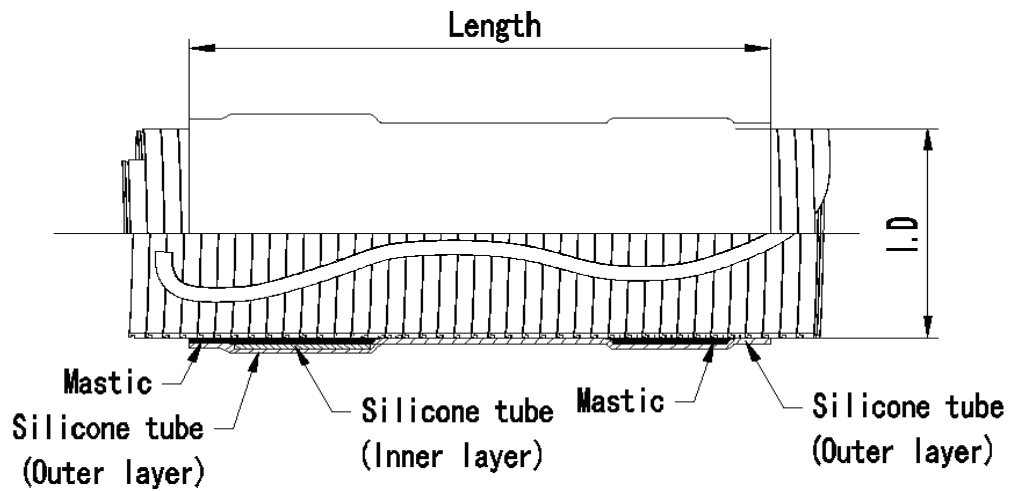
- ✧ Multi layers structure designing, improve waterproofing and nick, tear resistance
- ✧ IPX8 class, stable, proved long operational life
- ✧ Easy to install, three steps (Cover, pull and clench)
- ✧ Tool free and fast installation, only 15-30 seconds for one RF ports sealing
- ✧ No limitation of spare space, especially design for narrow space, MIMO Antenna etc.,
- ✧ Easy to uninstall, need knife to cut tube open and no sticky mastic left
- ✧ No skill required by engineers, uniform quality after installation, stable good sealing and weatherproofing performance
- ✧ Much time cost, and labor cost saving
- ✧ Good operating capability under extremely cold and hot environment, highland, salt-mist situation, heavy windy weather, and anti-UV, anti-ozone



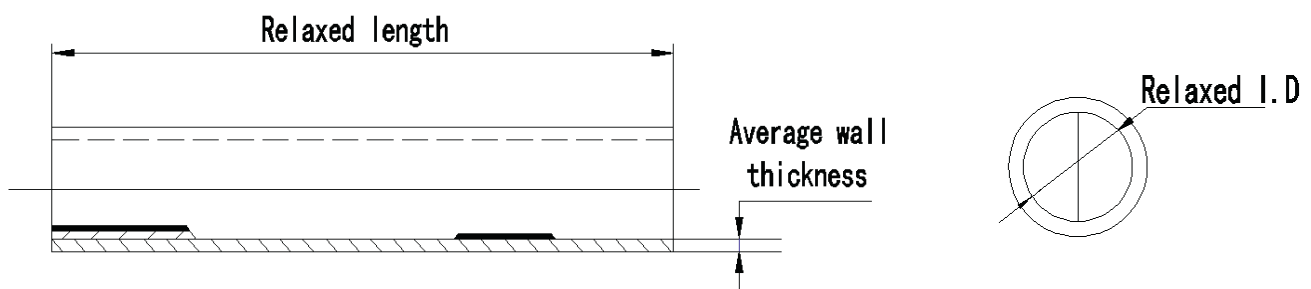
## Properties

Item		Parameter and Result	Test Method
Waterproof	Class	Pass, IPX8	IEC 60529: 1989+A1: 1999+A2: 2013 ; 1 meter depth in water, duration: 4 hours
Physical and mechanical properties	Shore Hardness	40±5	ASTM D2240-15
	Tensile Strength	> 7.0 MPa	ASTM D412-15a Method A
	Elongation	> 800%	ASTM D412-15a Method A
	Tear Strength	> 25 KN/m	ASTM D624-00(2012)
	Brittleness temperature by impact	Pass	ASTM D746-14 , -60°C
	Drop Test	No damage, deformation, and the support core could be pulled out normally	Provided by client: Drop height: 1.2m Drop surface: Tile floor Drop times: 3
Flammability	Horizontal burning	HB	UL 94-2013 Rev.6-2016 Section 7
Electricity	Dielectric Strength	> 22KV/mm	ASTM D149-09(2013) Method A
Aging test	Light aging test- UV exposure	No crack, discoloration, damage or deformation Grey scale: 4-5 IPX8 Pass	ISO 4892-3:2016 Cycle1& ISO 105-A02:1993/Cor.2:2005 Lamp type: UVA-340, 8h UV at (60±3)°C BPT , 0.76W/(m²×nm)@340nm 4h condensation at (50±3)°C BPT Exposure duration: 1000 hours
	Ozone aging	No crack, discoloration, damage or deformation, IPX8 Pass	ASTM D1149-16 Method B procedure B1 Temperature: 40±1°C Ozone concentration: 50±5 pphm Exposure duration: 72 hours
Material	Environmental protection	RoHS Reach	IEC 62321 SVHC

## Dimension



Picture 1. Dimension before shrink



Picture 2. Dimension after shrink

Mode	I.D (mm)	Relaxed I.D (mm)	Relaxed Length (mm)	Average wall thickness (mm)
KC97-4310	≥25	≤10	≥140	≥2.5
KC97-RF	≥37	≤12	≥140	≥2.5

## Shelf Life

KC97 (updated edition) cold shrink tube have a 1-year shelf life from date of manufacture when stored in the range of 10°C to 28°C temperature and <75% relative humidity.