

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



Product Description

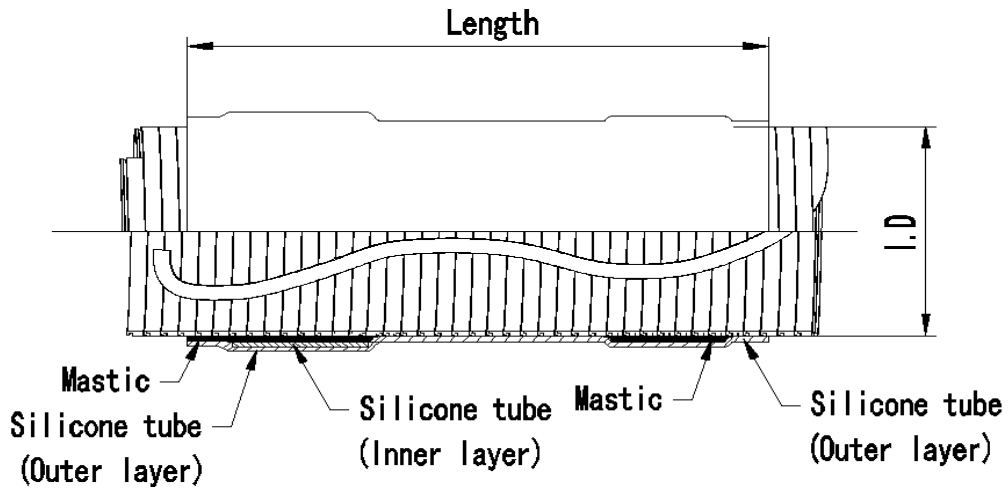
Ver: EN201901 V3.5

Properties

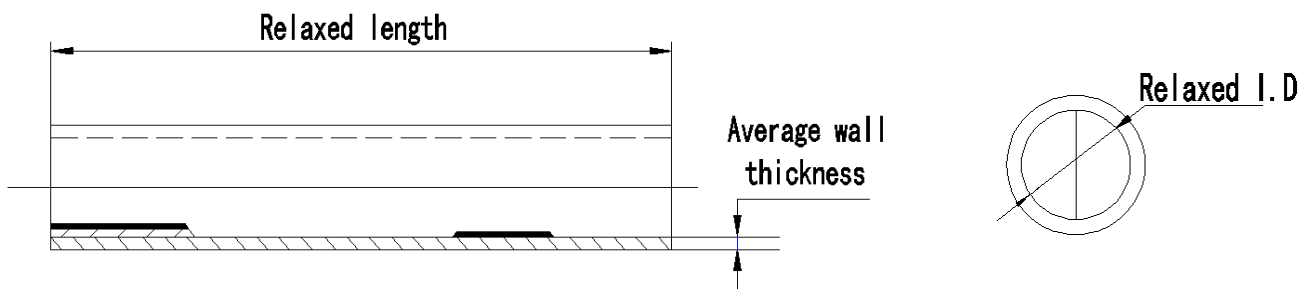
Item		Parameter and Result	Test Method
Waterproof	Class	Pass, IPX8	IEC 60529: 1989+A1: 1999+A2: 2013 ; 1 meter depth in water, duration: 4 hours
Physical and mechanical properties	Shore Hardness	40±5	ASTM D2240-15
	Tensile Strength	> 7.0 MPa	ASTM D412-15a Method A
	Elongation	> 800%	ASTM D412-15a Method 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

Note: This is typical value under lab test, and refer to Cotran KC97 SGS test report.

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.