

**SEISEN
TECHNOLOGY**



***CATÁLOGO
COLD
SHRINK***



Descripción general del producto

El tubo termorretráctil está diseñado para protección a prueba de intemperie en varios tipos de conexiones de cables o uniones en el sitio BTS. Como la conexión entre el cable puente y el conector (7/16 DIN, tipo N o 4,3-10, conector de fibra) en equipos inalámbricos (RRU, antena y microondas), y la unión entre el alimentador y el cable puente. En comparación con la protección de sellado con cinta, la instalación del tubo retráctil en frío es mucho más corta (15-30 segundos), instalación conveniente, apariencia uniforme para la aceptación.

Características

- ✧ Clase IPX7, estable y de larga duración durante el funcionamiento
 - Fácil de instalar, solo tres pasos (cubrir, tirar y apretar)
 - Instalación rápida, solo se necesitan entre 15 y 30 segundos para sellar una conexión
 - Sin limitación de espacio libre, especialmente diseño para espacios estrechos, equipos montados en conectores de alta densidad como escenario de sitio de combinación 3G y 4G, antena multibanda), también conveniente para implementar en condiciones de montaje en poste, torre alta y montada en la pared etc.,
 - Fácil de desinstalar, solo necesita un cuchillo para abrir el tubo
 - No se requieren habilidades por parte de los ingenieros, calidad uniforme después de la instalación, rendimiento estable y bueno de sellado e impermeabilización
 - Mucho tiempo y ahorro de mano de obra
 - Buena capacidad operativa en condiciones extremas de frío y calor, tierras altas, situación de niebla salina, clima con mucho viento y anti-UV, anti-ozono
 - Ampliamente implementado para proyectos de telecomunicaciones.

Cold Shrink Tube



Product Description

	Item	Parameter and Result	Test Method
Waterproof	Class	Pass, IPX7	IEC 60529:1989+A1:1999+A2:2013 ; 1 meter depth in water, duration: 30 mins.
Physical and mechanical properties	Shore Hardness	A/41/1	ASTM D2240-15
	Tensile Strength	9.02 MPa	ASTM D412-15a Method A
	Elongation	810%	ASTM D412-15a Method A
	Tear Strength	35.2 KN/m	ASTM D624-00(2012)
	Brittleness temperature by impact	Pass	ASTM D746-14
Flammability	Horizontal burning	HB	UL 94-2013 Rev.6-2016 Section 7
Temperature	Installation temperature	-40°C - 60°C	
	Operation temperature	-60°C - 90°C	
	Stock temperature	-60°C - 90°C	





Technical Datasheet_BMC-SD40×125



Item No.:	BMC-SD40×125
ID of tube:	40mm
Relaxed length:	4.92" (125mm)
Relaxed thickness:	3.5 mm ±0.5mm
Material:	Silicone Rubber+Mastic
Color:	Gray
Minimum applicable size:	12.7 mm
Maximum applicable size:	35.0mm

The BMC-SD40×125 Silicone cold shrink tube can be used in communication base station coaxial cable for 1/2 jumper cable to device via N type and DIN connector

Product Advantages:

1. Bilateral Built-in mastic silicone rubber Cold Shrink Tube had been taken mastic in the silicone rubber tube at both ends for optimize sealing performance.
2. By using tube pressure cover, protect cable connectors tightly, play a role of waterproof, moisture- proof, insulating sealing.
3. Easy to installation and operation.

Product Application:

1. Widely used in communication base station coaxial cable, N type joints and 1/2 jumper, Din type connector.
2. Waterproof and moistureproof TV cable joint sealing.
3. The insulating sealing connecting wire and cable.
4. The insulating sealing protection of other types of connections.

Technical Data:

Test item	Value	Test Method/Reference
Protection grade	IPX8	IEC 60529:2013
The hardness	43HA	ASTM D2240-05 (2010)
The density	1.14g/cm ³	GB/T 1033.1-2008
Tensile strength	11.2MPa	ASTM D412 (2013)
The elongation at break	950%	ASTM D412 (2013)
The tear strength	49.8N/mm	ASTM D624 (2012)
The volume resistivity	1.3 * 10 ¹⁷ Ω·cm	ASTM D257-14
Electrical strength	24KV/mm	ASTM D149-09 (2013)
Vertical burning	V-0	UL 94-2013
Ultraviolet aging	No cracks	ASTM G154-12a
Ozone aging	No cracks	ASTM D1149-07 (2012)
The use of the environment	indoor and outdoor	IEC 60068-2-10:2005
Installation temperature	-20 °C to 50 °C	
Working temperature	-60 °C to 90 °C	



Technical Datasheet_SPCS40X125



Item No.:	SPCS40X125
ID of tube:	≥40mm
Relaxed length:	≥125mm
Relaxed thickness:	3.5 ±0.5 mm
Material:	Solid Silicone Rubber
Color:	Black
Minimum applicable size:	11.0 mm
Maximum applicable size:	35.0 mm

The SPCS40×125 be used for 1/2 jumper cable to devise via 4.3-10 connector or 7/16 DIN connector

Properties

1. Simple installation, No tool or heat required.
2. Seals tight, retains its resiliency and pressure even after years of aging and exposure.
3. Wide range of size accommodation from 11.0-35.0mm.
4. Resists moisture.
5. Resists acids and alkalies; Resists ozone and ultraviolet light.
6. Resists fluid splashes.

Technical Data:

Test item	Test Standard	Unit	Value
Dielectric Strength	ASTM D149-75 @1.75	kV/m	21
volume resistivity	ASTM D257	Ohm.cm	3.4×10 ¹⁵
Shore Hardness	GB/T 531.1-2008	Shore A	44
Tear Strength	ASTM D624C-73	kN/m	45
Tensile strength	ASTM D412-75	Mpa	10.1 Mpa
Elongation at Break	ASTM D412-75	%	800
bacteria resistance	ASTM G21 / expose 28 days	----	No bacteria
Working temperature		°C	-60 to 200



Technical Datasheet_BMC-SD28×110



Item No.:	BMC-SD28×110
ID of tube:	28mm
Relaxed length:	4.3" (110mm)
Relaxed thickness:	3.5 mm ±0.5mm
Material:	Silicone Rubber+Mastic
Color:	Gray
Minimum applicable size:	11.0 mm
Maximum applicable size:	23.0 mm

The BMC-SD28×110 can be used in communication base station coaxial cable for 1/2 jumper cable to device via N type connector

Product Advantages:

1. Bilateral Built-in mastic silicone rubber Cold Shrink Tube had been taken mastic in the silicone rubber tube at both ends for optimize sealing performance.
2. By using tube pressure cover, protect cable connectors tightly, play a role of waterproof, moisture- proof, insulating sealing.
3. Easy to installation and operation.

Product Application:

1. Widely used in communication base station coaxial cable, N type joints and 1/2 jumper.
2. Waterproof and moistureproof TV cable joint sealing.
3. The insulating sealing connecting wire and cable.
4. The insulating sealing protection of other types of connections.



Technical Data:

Test item	Value	Test Method/Reference
Protection grade	IPX8	IEC 60529:2013
The hardness	43HA	ASTM D2240-05 (2010)
The density	1.14g/cm ³	GB/T 1033.1-2008
Tensile strength	11.2MPa	ASTM D412 (2013)
The elongation at break	950%	ASTM D412 (2013)
The tear strength	49.8N/mm	ASTM D624 (2012)
The volume resistivity	$1.3 \times 10^{17} \Omega \cdot \text{cm}$	ASTM D257-14
Electrical strength	24KV/mm	ASTM D149-09 (2013)
Vertical burning	V-0	UL 94-2013
Ultraviolet aging	No cracks	ASTM G154-12a
Ozone aging	No cracks	ASTM D1149-07 (2012)
The use of the environment	indoor and outdoor	IEC 60068-2-10:2005
Installation temperature	-20 °C to 50 °C	
Working temperature	-60 °C to 90 °C	



Technical Datasheet_SPCS28×110



Item No.:	SPCS28×110
ID of tube:	28mm
Relaxed length:	110mm (4.3")
Relaxed thickness:	3.5 ±0.5 mm
Material:	Silicone Rubber
Color:	Black
Minimum applicable size:	6.0 mm
Maximum applicable size:	24.3 mm

For AISG RET Control cable to antenna. Also can be used for 1/4" & 3/8" cable to antenna via 4.3-10 or N connector.

Product Advantages:

1. No torches or heat required.
2. No foam tapes needed to cable OD built-up.
3. IP68 waterproof.
4. Resists fungus, acids, alkalis, ozong and ultraviolet light
5. Simple and quick installation with low installation-error rate

Technical Data:

Test item	Test Standard	Unit	Value
Dielectric Strength	ASTM D149-75 @1.75	kV/m	21
volume resistivity	ASTM D257	Ohm.cm	3.4×10 ¹⁵
Shore Hardness	GB/T 531.1-2008	Shore A	44
Tear Strength	ASTM D624C-73	kN/m	30
Tensile strength	ASTM D412-75	Mpa	9.0
Elongation at Break	ASTM D412-75	%	750
bacteria resistance	ASTM G21 / expose 28 days	----	No bacteria
Working temperature		℃	-60 to 200