



98-KC 11

Cold Shrink Connector Sealing kit



1. Product Description

The 3M™ 98-KC 11 provides the correct Cold Shrink tube to make the installation of coax and low voltage connectors seals easy. The installation does not require tooling, and the quality of the installation is less installer dependant.

3M™ Cold Shrink tubes are open ended, silicone rubber, tubular sleeves. The sleeves are factory expanded and assembled on a removable supporting plastic core. Each rubber assembly is supplied for field installation in this pre-stretched condition. As the core is unwound, the insulating sleeve shrinks to form a tight seal.

2. Applications

The Cold Shrink tube is made from special Silicone rubber material to provide an environmental seal and electrical insulation on the connector. The connector area is covered by silicone tube to provide mechanical and electrical protection during handling of the prepared cables and exercise.

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3. Typical Properties

3.1 Performance Test

The 3M™ 98-KC 11 kit passed the 100 kPa water pressure sealing test and met IEC 529 IP x8 requirements.

3.2 Physical Characteristics

Characteristic	Standard	Unit	Value (nominal)
Hardness	DIN 53 505	Shore A	40
Appearance			Black
Specific gravity	DIN 53 479 A	g/cm ³	1,11
Tensile strength	DIN 53 504 S1	N/mm ²	10,2
Elongation at break	DIN 53 504 S1	%	850
Tear resistance	ASTM D 624 B	N/mm	25
Rebound resilience	DIN 53 512	%	58
Compression set	DIN ISO 815-B (22h / 175°C)	%	20
Dielectric strength	IEC 60250	KV/mm	> 10
Volume resistivity	IEC 60093	Ohm cm	> 1 x 10 ¹⁴

4. User Information

4.1 Product Features

Feature	Benefit
Cold Shrink technology	No (heating) tools needed Safer and quicker installation
Proven Silicone material	Reliable sealing - Easy to remove
Total product line	A solution for any application
Tested application	Reliable installation
Application temperature	- 20°C ... + 50°C
Working temperature	130°C max
External environmental condition	UV resistant

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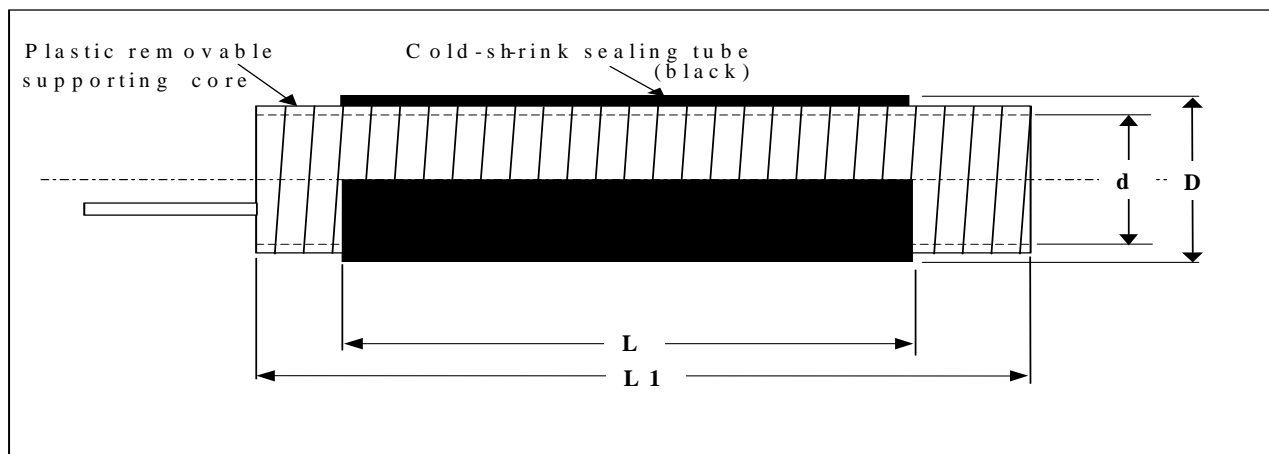
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4.2 Product Selection Guide

Kit Reference	Application Range	
98-KC 11	Minimum 13,5 mm	Maximum 39,0 mm

4.3 Product Dimensions



Product Number	L [mm] On core	L[mm] installed	L1 [mm]	d [mm]	D [mm]	Weight gross [kg]
98-KC 11	160 +/- 10	170 min	200 +/- 10	43 min	50 max	0,07 approx

4.4 Storage condition

It is recommended to store the 98-KC 11 kits in a dry climate at a temperature of -40°C up to +50°C

4.5 Shelf Life

Shelf life of 3M 98-KC 11 Coax Connector Sealing Kits is specified with 36 month from date of manufacturing.

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5. Additional Information

To request additional product information see address below.

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Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

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