Raychem

- **Low-temperature applications (up to 125°C)**
- **Controlled soldering**
- **Strain relief**
- **Insulation**
- **Easy installation**

SolderSleeve®

One-step wire and cable terminators

Raychem's SolderSleeve one-step heat-shrinkable wire and cable interconnection devices are a labor-saving alternative to conventional wire and cable termination methods such as craft-sensitive, time-consuming hand soldering or crimping.

Versatility
SolderSleeve one-step terminators insulate, strain relieve, and protect terminations from environmental damage in a wide spectrum of low-temperature electrical interconnection applications. They are–as their name says–one-step solutions.

Capability
SolderSleeve one-step terminators create strong, soldered connections. They consist of a heat-shrinkable sleeve and a premeasured, fluxed solder band. When heated, the tubing shrinks and the solder melts, making reliable, insulated terminations. Even greater convenience and reliability are available with optional preinstalled ground leads.

Compatibility
SolderSleeve one-step terminators are compatible with many component dielectric materials and wire insulations–including sensitive low-temperature materials. Low-temperature wires can be terminated in applications with maximum operating temperatures up to 125°C.

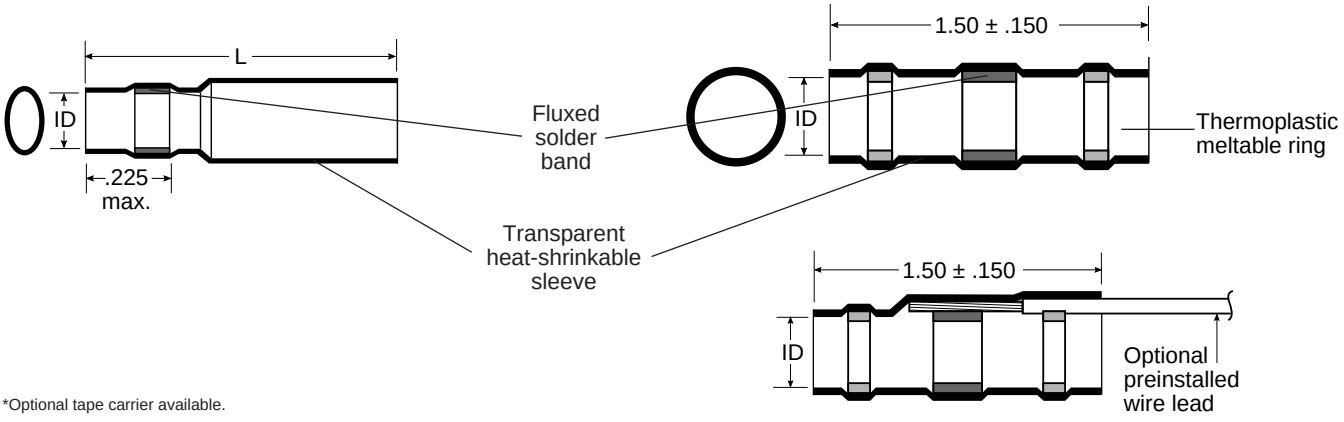
Product dimensions and part number system (dimensions in inches)

Part number	Minimum inside diameter (ID)	Length (L)
CWT-1501	.060	.575 ± .060
CWT-1502	.090	.575 ± .060
CWT-1503	.110	.575 ± .060
CWT-1504	.150	.575 ± .060
CWT-1505	.175	1.00 ± .060
CWT-1506	.230	1.00 ± .060

Part number	Minimum inside diameter (ID)
CWT-3801	.060
CWT-3802	.080
CWT-3803	.110
CWT-3805	.175
CWT-3806	.230
CWT-3807	.275
CWT-3809	.345
CWT-3811	.430
CWT-3813	.530

CWT -15XX Series*
Terminating wires to component terminals (pin, post, tab)

CWT -38XX Series
Terminating ground wire to cable shield
Terminating coaxial cable
Wire-to-wire splicing



*Optional tape carrier available.

Product characteristics

Material	
Insulation	Radiation-crosslinked, transparent heat-shrinkable polyolefin
Solder preform with flux	Tin/lead/cadmium, RA flux
Inserts (CWT-38XX series only)	Meltable thermoplastic polymer
Preinstalled lead (optional)	See SolderSleeve One-Step Selection Guide (H54335)

Physical	Unit	Method of test	Requirement
Dimensions	inches	D-5023	See product dimensions

Electro-mechanical	Unit	Method of test	Typical values
Dielectric voltage withstand	kilovolts	UL 486A	2.0
Secureness	–	UL 486A	–
Static heating	degrees	UL 486A	Less than 50°C
Pullout strength	pounds		8 pounds for 22 AWG stranded wire

Chemical (fluid resistance)		Method of test	Requirement
Copper mirror corrosion		D-5023	Noncorrosive

Environmental	Unit	Method of test	Requirement
Insulation resistance after water immersion	megohms	D-5023	5000
Pullout strength after salt spray exposure	pounds	D-5023	8 pounds for 22 AWG stranded wire

Operating condition		Value
Temperature rating	N/A	-55°C to +125°C
Voltage rating	N/A	See Specification Control Drawing

Approvals and reference documents

Agency approvals	UL, File E87681
Reference documents	Raychem Specification D-5023
	SolderSleeve One-Step Selection Guide (H54335)
	Installation Procedure (H54285)
	Specification Control Drawing, CWT-15XX/38XX

Ordering information

Standard packaging	Product supplied in bulk, 50 to 1000 pieces per box, depending on style and size

SolderSleeve is a trademark of Raychem Corporation.

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