

One-step wire and cable terminators.

Low-temperature applications (up to 125°C), controlled soldering, strain relief, insulation, easy installation.

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 lead.

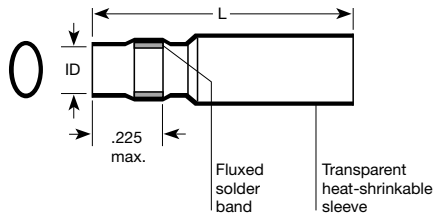
Compatibility

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)

CWT -15XX Series*

Terminating wires to component terminals
(pin, post, tab)

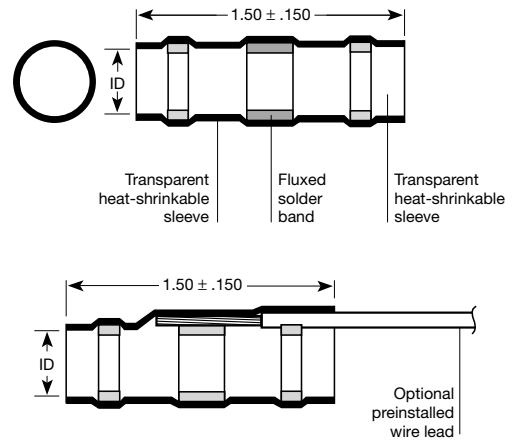


Part number	Minimum	Length (L)
	inside diameter (ID)	
CWT-1501	0.060	0.575 ± 0.060
CWT-1502	0.090	0.575 ± 0.060
CWT-1503	0.110	0.575 ± 0.060
CWT-1504	0.150	0.575 ± 0.060
CWT-1505	1.102	1.00 ± 0.060

*Optional tape carrier available.

CWT -38XX Series

Terminating ground wire to cable shield
Terminating coaxial cable
Wire-to-wire splicing



Part number	Minimum
	inside diameter (ID)
CWT-3801	0.065
CWT-3802	0.075
CWT-3803	0.105
CWT-3805	0.180
CWT-3806	0.235
CWT-3807	0.275
CWT-3809	0.340
CWT-3811	0.420
CWT-3813	0.510

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

Product characteristics

Material

Insulation	Radiation-crosslinked, transparent heat-shrinkable polyolefin
Solder preform with flux	Tin/lead/cadmium, RA flux
Inserts (CWT-38XX series only)	Melttable 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 + 125°C
Voltage rating	N/A See Specification Control Drawing

Ordering information

Standard packaging	Product supplied in bulk, 50 to 1000 pieces per box, depending on style and size
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SolderSleeve a trademark of Tyco Electronics Corporation.

Users should independently evaluate the suitability of the product for their application.

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