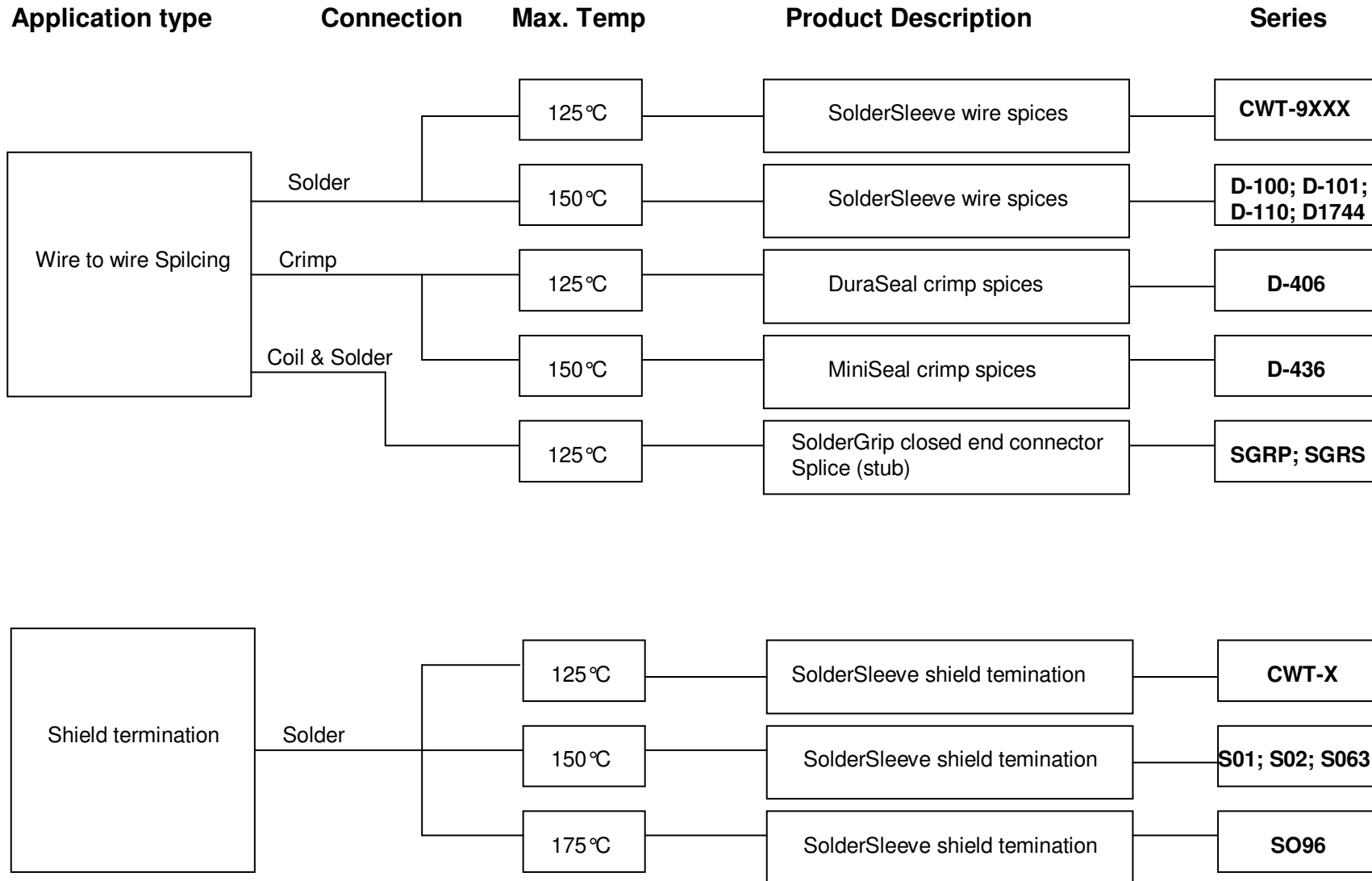
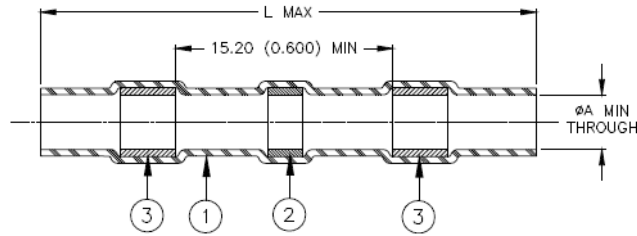


SOLDER SLEEVE SELECTION CHART



CWT-900X

SPECIFICATION CONTROL DRAWING



Product Revision	Size Code	Color	Product Dimensions		Conductor Dimensions		Selection Guide			
			L max	øA min	min	max	Total mm ²		Total CMA	
CWT-9001	C	Clear	26.0 (1.025)	1.7 (0.065)	0.4 (0.015)	1.7 (0.065)	0.3	0.8	450	1500
CWT-9002	B	Red	42.0 (1.655)	2.7 (0.105)	1.3 (0.050)	2.7 (0.105)	0.8	2.0	1250	3500
CWT-9003	B	Blue	42.0 (1.655)	4.5 (0.180)	1.8 (0.070)	4.5 (0.180)	2.0	4.0	2500	7200
CWT-9004	B	Yellow	42.0 (1.655)	6.0 (0.235)	2.8 (0.110)	6.0 (0.235)	4.0	6.0	6100	19000
CWT-9005	B	Grey	42.0 (1.655)	7.0 (0.275)	3.2 (0.125)	7.0 (0.275)	6.0	10.0	12000	25000

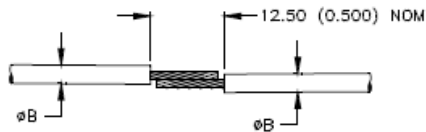
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Transparent clear.
- SOLDER PREFORM WITH FLUX:
SOLDER: TYPE CD18 per ANSI/J-STD-006.
FLUX: TYPE ROM1 per ANSI/J-STD-004.
- MELTABLE RINGS: Thermally stabilized thermoplastic. Color: see table.

APPLICATION

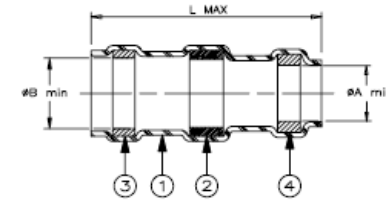
- These controlled soldering devices are designed to splice tin-plated or bare copper stranded wires rated for at least +85°C.
- Temperature range: -55°C to +125°C.
- For installation procedure and application equipment consult RPIP-824-00.

For best results, prepare the wires as shown:



D-100-00

SPECIFICATION CONTROL DRAWING



PRODUCT REVISION		Product dimensions			Cable dimensions			
Product Name		L MAX	øA min	øB min	øD MAX	øE min	øG MAX	J ±0.5 (±0.02)
D-100-00	P	17.25 (0.680)	2.8 (0.110)	3.15 (0.125)	3.15 (0.125)	1.40 (0.055)	2.7 (0.105)	7 (0.275)

APPLICATION

These parts are designed to provide an environment protected shield termination on cables, rated for 125°C minimum, meeting the dimensional criteria listed, having tin or silver plated copper shields.

Install using Raychem-approved convection or infrared tools in accordance with Raychem assembly procedure RCPS-100-70.

PERFORMANCE

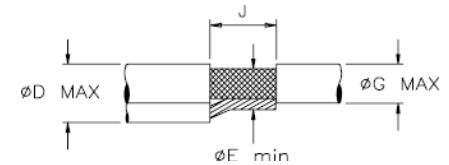
Assemblies will meet requirements of Raychem specification RT-1404 and National Aerospace Standard NAS-1747.

Temperature range:
-55°C to +150°C.

TECHNICAL DETAILS

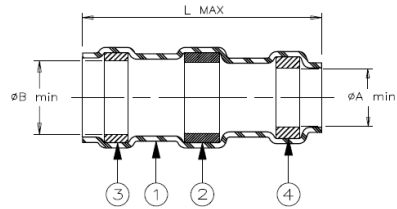
ITEM	DESCRIPTION	MATERIAL
①	Heat-shrinkable insulation sleeve Transparent blue.	Radiation cross-linked polyvinylidene fluoride.
②	Solder preform with flux.	Sn63 Pb37 solder alloy with mildly activated rosin flux. Thermal indicator: violet
③	Melttable ring. color: grey	Thermally stabilized thermoplastic.
④	Melttable ring. color: grey	Thermally stabilized thermoplastic.

For best results, prepare the cable as shown:



D-101-00

SPECIFICATION CONTROL DRAWING



PRODUCT REVISION		Product dimensions			Cable dimensions			
Product Name		L MAX	ØA min	ØB min	ØD MAX	ØE min	ØG MAX	J±0.5 (±0.02)
D-101-00	P	17.25 (0.680)	4.55 (0.180)	5.00 (0.200)	5.00 (0.200)	2.5 (0.100)	4.55 (0.180)	7 (0.275)

APPLICATION

These parts are designed to provide an environment protected shield termination on cables, rated for 125°C minimum, meeting the dimensional criteria listed, having tin or silver plated copper shields.

Install using Raychem-approved convection or infrared tools in accordance with Raychem assembly procedure RCPS-100-70.

PERFORMANCE

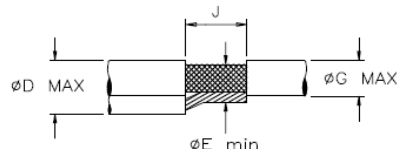
Assemblies will meet requirements of Raychem specification RT-1404 and National Aerospace Standard NAS-1747.

Temperature range: -55°C to +150°C.

TECHNICAL DETAILS

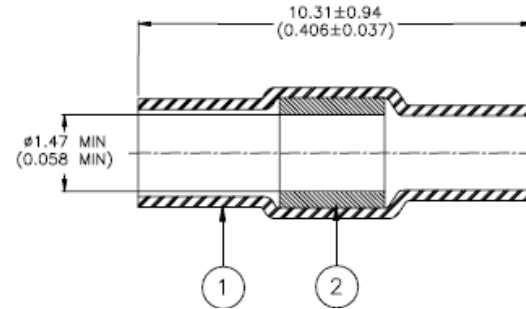
ITEM	DESCRIPTION	MATERIAL
①	Heat-shrinkable insulation sleeve Transparent blue.	Radiation cross-linked polyvinylidene fluoride.
②	Solder preform with flux.	Sn63 Pb37 solder alloy with mildly activated rosin flux. Thermal indicator: violet
③	Meltable ring. color: grey	Thermally stabilized thermoplastic.
④	Meltable ring. color: grey	Thermally stabilized thermoplastic.

For best results, prepare the cable as shown:



D-110-00

SPECIFICATION CONTROL DRAWING



MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Sn63 per ANSI J-STD-006.
FLUX: TYPE ROL1 per ANSI-J-STD-004.

APPLICATION

- Part will recover to 0.76 (0.03).
- This part is designed to meet the requirements as shown below when tested to Raychem Specification RT-1404.

QUALIFICATION TEST ASSEMBLIES

The test configuration shall be a follow-through splice made by connecting two wires having 26 AWG tin or silver plated conductors and insulations rated for at least 125°C.

REQUIREMENTS:

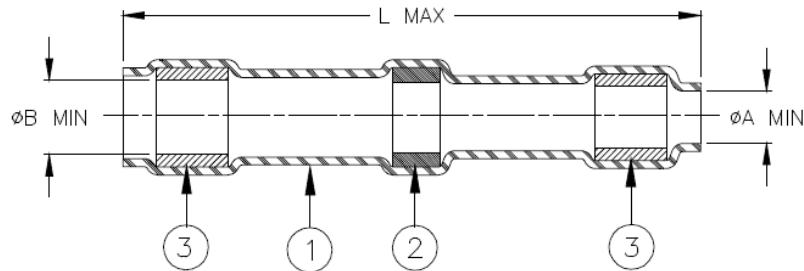
Temperature Rating	150°C
Voltage Drop**	Initial 25 millivolts max.
Tensile Strength*	7 lbs. min.
Vibration**	MIL-STD-202, Method 204, Condition D Voltage Drop after Vibration - 32 millivolts max.
Temperature Cycling**	-63±3°C to 150±3°C, 5 cycles (Condition C) Voltage Drop after Cycling - 32 millivolts max.
Current Cycling**	Voltage Drop after Cycling - 32 millivolts max.
Heat Aging*	120±2 hours at 200±3°C.
Fluid Resistance*	20 hours at 25±3°C in fluids of MIL-H-5606, MIL-I-7808, and MIL-L-9236.
Corrosion Resistance*	96 hours at 35±3°C (Condition A). Voltage Drop after test - 32 millivolts max
Corrosive Effect*	16 hours at 121±2°C, Non-corrosive

* For test procedures, see Raychem Specification RT1404.

** For test procedures, see page 2.

D-1744-xx

SPECIFICATION CONTROL DRAWING



Product Revision	Product Name	Product Dimensions			Wire Dimensions		CMA Range
		L max	øA min	øB min	øD		
					max	min	
D-1744-01	B	29.70 (1.170)	1.90 (0.075)	2.40 (0.095)	1.90 (0.075)	0.50 (0.020)	350 to 2000
D-1744-02	C	30.15 (1.187)	2.80 (0.110)	3.15 (0.125)	2.80 (0.110)	0.80 (0.030)	2000 to 4000
D-1744-03	B	29.60 (1.165)	4.60 (0.180)	5.10 (0.200)	4.57 (0.180)	1.30 (0.050)	4000 to 10000
D-1744-04	B	30.00 (1.180)	7.11 (0.280)	7.62 (0.300)	7.11 (0.280)	2.00 (0.080)	10000 to 13000

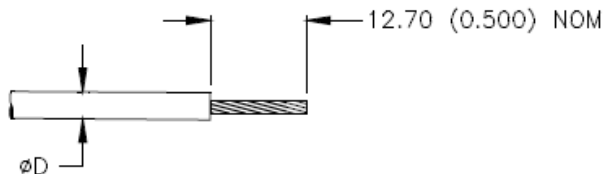
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:
SOLDER: TYPE Sn63 per ANSI/J-STD-006.
FLUX: TYPE ROL1 per ANSI/J-STD-004.
THERMAL INDICATOR: Violet
- MELTABLE RINGS: Thermally stabilized thermoplastic. Color: gray.

APPLICATION

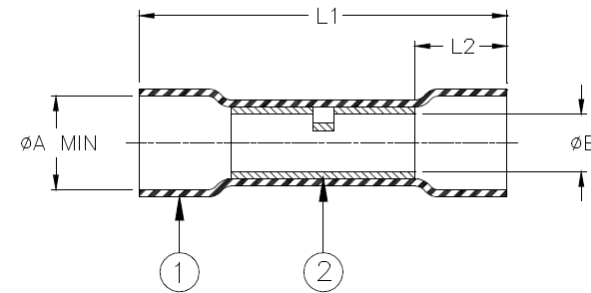
- These parts are designed to provide an environment resistant in-line splice in wires having tin or silver-plated conductors and insulation rated for at least 125°C.
- Temperature range: -55°C to +150°C.
- Install using TE Connectivity/ Raychem-approved convection or infrared tools in accordance with TE Connectivity/ Raychem installation procedure RPIP-850-00.
- Assemblies will meet requirements of TE Connectivity / Raychem specification RT-1404 and National Aerospace Standard NAS-1744.

For best results, prepare the wire(s) as shown:



D-406-00xx

CUSTOMER DRAWING



Product Name	Color	Marking	Size Range mm ² (AWG)	L1 ±1.50 [±0.06]	L2 min	øA*		øB min	Wire Strip Length Nom.
						(a) min	(b) max		
D-406-0034	Yellow	DURASEAL® 24-26	0.15 - 0.25 (26 - 24)	31.5 [1.24]	5.0 [0.20]	3.00 [0.118]	1.40 [0.055]	1.09 [0.043]	6 to 8 (1/4 to 5/16)
D-406-0001	Red	DURASEAL® 18-22	0.5 - 1.0 (22 - 18)	31.5 [1.24]	5.0 [0.20]	3.70 [0.146]	1.40 [0.055]	1.47 [0.058]	6 to 10 (1/4 to 3/8)
D-406-0002	Blue	DURASEAL® 14-16	1.5 - 2.5 (16 - 14)	31.5 [1.24]	5.0 [0.20]	3.70 [0.146]	1.40 [0.055]	1.47 [0.058]	6 to 10 (1/4 to 3/8)
D-406-0003	Yellow	DURASEAL® 10-12	3.0 - 6.0 (12 - 10)	37.5 [1.48]	10.0 [0.39]	6.50 [0.255]	2.80 [0.110]	3.50 [0.138]	10 to 13 (3/8 to 1/2)

MATERIALS

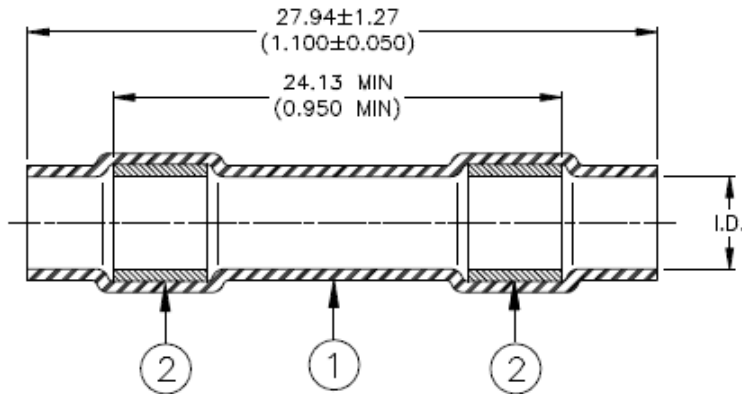
- INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked polyamide (Nylon) with a polyamide-based hot-melt adhesive liner. See above table for applicable sleeve color.
- CRIMP SPLICE: Tin-plated copper alloy.
BASE METAL: Copper alloy C11000 per ASTM B152.
PLATING: Tin-plated per ASTM B545, Class A.

APPLICATION

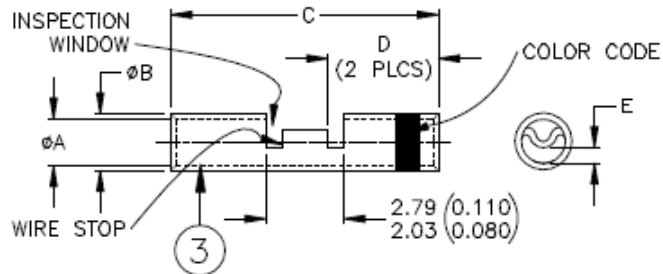
- These parts may be used to obtain an environment-resistant one-to-one in-line (butt) splice in wires meeting the size range and diameter restraints specified herein and having a temperature rating of not less than 85°C.
- * øA: (a) Minimum diameter as received: Wire insulation diameter must be less than this value.
(b) Maximum diameter after recovery: Wire insulation diameter must be larger than this value to obtain an environment resistant splice.
- Wires are to be stripped per table, inserted into opposite ends of the crimp barrel, crimped with a TE Connectivity AD-1522 (22-10 AWG) or equivalent. For D-406-0034, Pro-Crimper III with die set 1976356-1 (24-22 AWG) or equivalent may be used. The sleeve must be heated along its entire length until the crimp marks are gone and the ends of the sleeve recover onto the wires.
- Spliced assemblies will meet the requirements of TE Connectivity / Raychem specification RB-107.
- Except for D-406-0034, all of the parts covered by this drawing are UL Listed (US and CANADA), File #E87681.

D-436-xx

CUSTOMER DRAWING



SEALING SLEEVE



METAL CRIMP SPLICE

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SEALING RINGS: Immersion resistant thermoplastic. Color: one clear, one color coded (see table below).
- CRIMP SPLICER:
Base Metal: Copper alloy 101 or 102 per ASTM B-75.
Plating: Tin, per ASTM B545
Color code: See table below.

Product Name	MIL Spec Equivalent	Wire Range (AWG)	Color Code	Wgt. - Lbs/Mpc max
D-436-36	M81824/-1-1	26 - 20	RED	1.02
D-436-37	M81824/-1-2	20 - 16	BLUE	1.61
D-436-38	M81824/-1-3	16 - 12	YELLOW	2.720

APPLICATION

- These parts are designed to provide immersion resistant in-line splices of 1 to 1 wires falling within size range listed above, and having insulations rated for 135°C.
- Parts will meet all requirements of SAE AS81824/1 when installed as outlined below. Assembly is not required for acceptance testing inspection.
- Acceptance sampling shall be in accordance with Paragraph 4.6.1 of SAE AS81824.
- Packing and packaging shall be in accordance with Sections 5, Level C, of SAE AS81824.
- This document takes precedence over documents reference herein.

ASSEMBLY PROCEDURE:

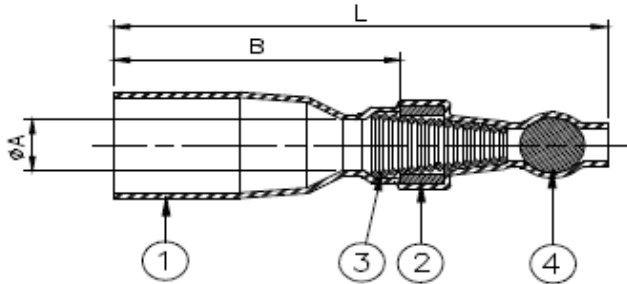
- Slide sealing sleeve onto one of the wires to be spliced.
- Strip wires 5/16" to 11/32".
- Insert one wire into barrel of crimp splicer and crimp using a Raychem AD-1377 crimp tool. Repeat for other wire.
- Center sealing sleeve over the splice.
- Apply heat, using an approved heat source, first to one of the inserts and then the other. Heat should be applied until insert melts and flows axially along the wire.

Product Rev	I.D.*	Product Dimensions					
		A	B	C	D	E	
D-436-36	A	<u>2.16</u> (0.085)	<u>1.27</u> (0.050)	<u>2.03</u> (0.080)	<u>12.95</u> (0.510)	<u>6.22</u> (0.245)	0.38 (0.015)
		0.64 (0.025)	1.14 (0.045)	1.91 (0.075)	12.45 (0.490)	5.72 (0.225)	
D-436-37	A	<u>2.79</u> (0.110)	<u>1.75</u> (0.069)	<u>2.69</u> (0.106)	<u>14.86</u> (0.585)	<u>7.11</u> (0.280)	0.51 (0.020)
		0.64 (0.025)	1.63 (0.064)	2.57 (0.101)	14.35 (0.565)	6.60 (0.260)	
D-436-38	A	<u>4.32</u> (0.170)	<u>2.59</u> (0.102)	<u>3.89</u> (0.153)	<u>14.86</u> (0.585)	<u>7.11</u> (0.280)	1.27 (0.050)
		0.64 (0.025)	2.46 (0.097)	3.73 (0.147)	14.35 (0.565)	6.60 (0.260)	

* I.D.: a) As received; b) After unrestricted recovery thru meltable insert.

SGRP-x

SPECIFICATION CONTROL DRAWING



Product Name	Revision	Ball Color	Product Dimensions			Copper Cross Section		Bundle ø	
			L±3.5 (L±0.140)	øA	øB	Min. mm ² (CMA)	Max. mm ² (CMA)	øD max	M±1 (M±0.04)
SGRP-1	C	Green	38.3 (1.510)	3.1±0.2 (0.125±0.008)	26.0±2 (1.025±0.079)	0.7 (1400)	2.4 (4800)	4.0 (0.160)	15 (0.590)
SGRP-2	C	Red	37.7 (1.485)	3.9±0.2 (0.155±0.008)	23.5±2 (0.925±0.079)	2.0 (4000)	4.0(8000)	6.0 (0.235)	15 (0.590)
SGRP-3	D	Blue	44.5 (1.750)	5.35±0.3 (0.210±0.012)	25.5±3 (1.00±0.118)	3.5 (7000)	9.0(18000)	8.5 (0.335)	15 (0.590)
SGRP-4	D	Yellow	45.5 (1.790)	7.15±0.3 (0.280±0.012)	25.0±3 (0.985±0.118)	7.5 (15000)	15.0(30000)	10.5 (0.410)	15 (0.590)

These products are tested to RB109.

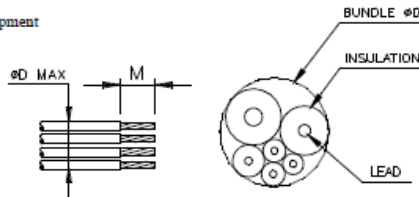
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Sn60 per ANSI-J-STD-006.
FLUX: TYPE ROM1 per ANSI-J-STD-004.
- CONICAL SPRING: Square copper wire.
- END CLOSURE BALL: Tinted glass. Color: see table.

APPLICATION

- These controlled soldering devices are designed stub splicing of stranded wires with bare copper conductor having an insulation rated for 85°C minimum.
- Temperature range: class 3A, -40°C to +125°C.
Vibration range: class 1 (body).
Seal range: class 0 (seal porous or no seal).
- For installation procedure and application equipment consult, RPIP-820-00.

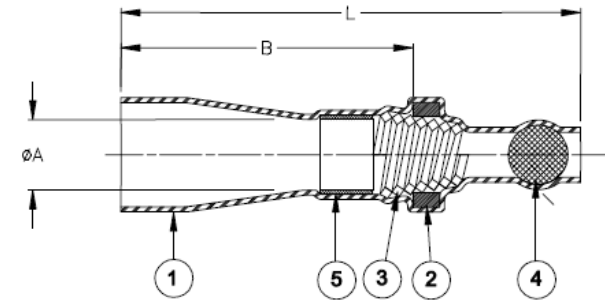
For best results, prepare the cable as shown:



* A trademark of TE Connectivity

SGRS-x

SPECIFICATION CONTROL DRAWING



Product Name	Ball Color	Product Dimensions			Copper Cross Section		Bundle Diameter	
		L±3.5 (L±0.140)	øA	B	Min. mm ² (CMA)	Max. mm ² (CMA)	øD max	M±1 (M±0.04)
SGRS-1	Green	38.3 (1.510)	3.6+0.4-0.2 (0.140+0.016-0.008)	26.0±2.0 (1.025±0.079)	0.7 (1400)	2.4 (4800)	3.3 (0.130)	15.0 (0.590)
SGRS-2	Red	37.7 (1.485)	5.0+0.7-0.2 (0.200+0.028-0.008)	23.5±2.0 (0.925±0.079)	2.0 (4000)	4.0(8000)	4.5 (0.175)	15.0 (0.590)
SGRS-3	Blue	45.5 (1.790)	7.5+0.9-0.2 (0.295+0.035-0.008)	26.5±2.0 (1.045±0.079)	3.5 (7000)	8.0(16000)	7.0 (0.275)	15.0 (0.590)
SGRS-4	Yellow	45.0 (1.770)	9.4+0.9-0.3 (0.370+0.035-0.012)	25.5±3.0 (1.005±0.118)	7.5 (15000)	12.0(24000)	9.0 (0.350)	15.0 (0.590)

These products are tested to RB109.

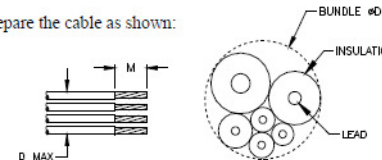
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Sn60 per ANSI-J-STD-006.
FLUX: TYPE ROM1 per ANSI-J-STD-004.
- CONICAL SPRING: Square copper wire.
- END CLOSURE BALL: Tinted glass. Color: see table.
- SEALING INSERT: Hot melt adhesive.

APPLICATION

- These controlled soldering devices are designed for stub splicing of stranded wires, with bare copper conductors and an insulation rated for 85°C minimum and 125°C continuous maximum.
- Temperature range: Class 3, -40°C to +125°C.
- Vibration range: Class 1 (body).
- Seal range: Class 2 (watertight against immersion). Immersion resistant sealing is dependent on the wire combinations used. The user should test specific wire combinations. Refer to TE Connectivity / Raychem Specification RB109 for procedures.
- For installation procedure and application equipment, consult RPIP-820-00.

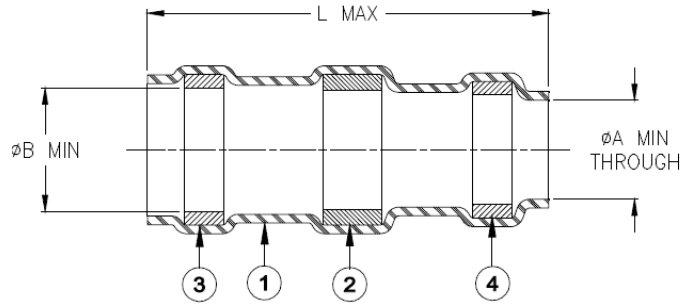
For best results, prepare the cable as shown:



COMTEC 80 sas

CWT-xx

SPECIFICATION CONTROL DRAWING



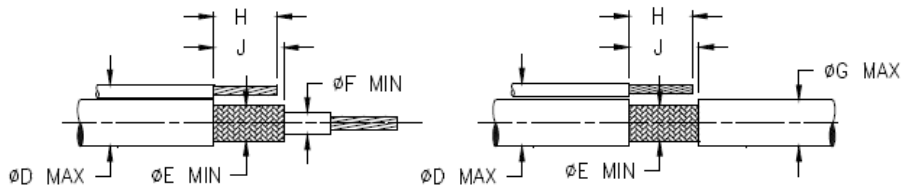
Product Revisions	Product Name	Product Dimensions			Prepared Cable Dimensions					
		ØA min	ØB min	L max	ØD max	ØE min	ØF min	ØG max	H	J
CWT-3	D	2.50 [0.098]	3.00 [0.118]	24.5 [0.965]	3.00 [0.118]	1.50 [0.060]	1.00 [0.040]	2.50 [0.098]	6.0 ±0.5 [0.236±0.020]	7.0 ±0.5 [0.726±0.020]
CWT-5	F	4.30 [0.170]	4.80 [0.189]	29.3 [1.154]	4.80 [0.189]	2.00 [0.079]	1.50 [0.059]	4.30 [0.170]	8.0 ±0.5 [0.315±0.020]	9.0 ±0.5 [0.354±0.020]
CWT-6	A	6.00 [0.236]	6.70 [0.264]	32.00 [1.260]	6.70 [0.264]	3.30 [0.130]	2.80 [0.110]	6.00 [0.236]	9.0 ±0.5 [0.354±0.020]	10.0 ±0.5 [0.394±0.020]
CWT-7	F	6.80 [0.268]	7.30 [0.287]	32.50 [1.280]	7.30 [0.287]	3.30 [0.130]	2.80 [0.110]	6.80 [0.268]	10.0 ±1.0 [0.394±0.040]	11.0 ±1.0 [0.433±0.040]
CWT-9	A	8.70 [0.343]	9.20 [0.362]	35.50 [1.398]	9.20 [0.362]	4.50 [0.177]	4.00 [0.157]	8.70 [0.343]	11.0 ±1.0 [0.433±0.040]	12.0 ±1.0 [0.472±0.040]
CWT-11	E	10.80 [0.425]	11.50 [0.453]	35.50 [1.398]	11.50 [0.453]	4.50 [0.177]	4.00 [0.157]	10.80 [0.425]	12.0 ±1.0 [0.472±0.040]	13.0 ±1.0 [0.512±0.040]
CWT-13	A	13.00 [0.512]	15.10 [0.594]	45.50 [1.791]	15.10 [0.594]	7.00 [0.276]	6.50 [0.256]	13.00 [0.512]	16.0 ±1.0 [0.630±0.040]	17.0 ±1.0 [0.670±0.040]

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Color: transparent clear.
- SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Cd18 per ANSI/J-STD-006.
FLUX: TYPE ROM1 per ANSI/J-STD-004.
- MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue (size 3, 5, 6, 7, 9, 11); natural (size 13)
- MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue (size 3, 5, 7, 11); gray (size 6); natural (size 9, 13)

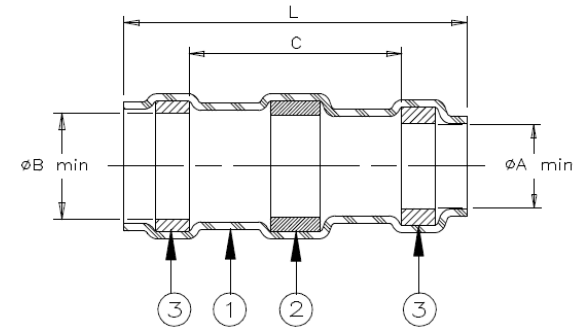
APPLICATION

- These controlled soldering devices are designed for termination of a bare or tin-plated copper shield on a cable having an insulation rated for at least +85°C, meeting the dimensional criteria listed in the table above.
 - Temperature range: -55°C to +125°C.
 - When installed properly, it will meet the requirements of TE Connectivity / Raychem Specification RT-1404.
 - For installation procedure and application equipment consult TE Connectivity / Raychem document RPIP-824-00.
- For best results, prepare the cable as shown:



S01-0x

CUSTOMER DRAWING



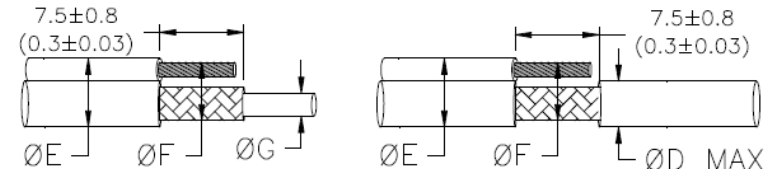
Product Name	Product Dimensions				Cable Dimensions			
	L±1.75 (L±0.07)	øA min	øB min	øC min	øD max	øE max	øF min	øG min
S01-01-R	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	1.90 (0.075)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)
S01-02-R	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)	0.72 (0.030)
S01-03-R	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)
S01-04-R	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	5.95 (0.235)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)
S01-05-R	19.1 (0.750)	7.00 (0.275)	7.60 (0.300)	8.25 (0.325)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)	2.50 (0.100)

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR
SOLDER: TYPE Sn63 per ANSI/J-STD-006.
FLUX: TYPE ROL1 per ANSI/J-STD-004.
THERMAL INDICATOR: Color change: violet to colorless.
- MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.

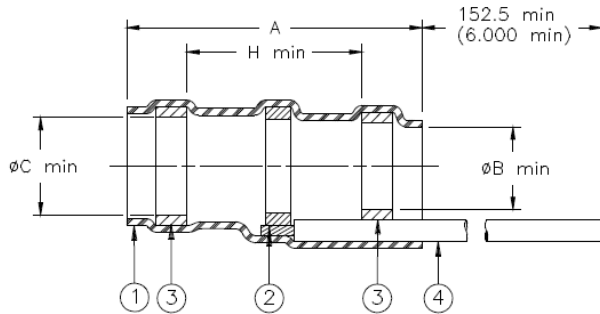
APPLICATION

- These parts are designed to make an environment resistant shield terminations on cables meeting the following criteria:
Dimensions: Per table. Jacket rating: 125°C.
Shield plating: Tin or silver. Jacket material: See M83519/1 or consult Tyco Electronics/Raychem.
- Parts are qualified to M83519/1.
- For assembly information, refer to Raychem document RCPS-100-70.



S02-0x

SPECIFICATION CONTROL DRAWING



Product Name				Product Dimensions				Cable Dimensions					
Product Rev:	Product Rev:	Product Rev:	Product Rev:	A±1.75 (A±0.07)	øB min	øC min	H min	øE max	øF min	øG min	øD max	±0.5 (±0.02)	
20 AWG	22 AWG	24 AWG	26 AWG	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)	1.90 (0.075)	7.5 (0.295)	
S02-01-R	D S02-06-R	D S02-11-R	D S02-16-R	D	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	3.68 (0.145)	1.40 (0.055)	0.75 (0.030)	2.65 (0.105)	7.5 (0.295)
S02-02-R	D S02-07-R	D S02-12-R	D S02-17-R	D	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)	4.30 (0.170)	7.5 (0.295)
S02-03-R	D S02-08-R	D S02-13-R	D S02-18-R	D	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)	5.95 (0.235)	7.5 (0.295)
S02-04-R	D S02-09-R	D S02-14-R	D S02-19-R	D	19.1 (0.750)	7.00 (0.275)	7.60 (0.300)	8.25 (0.325)	7.60 (0.300)	4.30 (0.170)	2.50 (0.100)	7.00 (0.275)	7.5 (0.295)

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:
SOLDER: TYPE Sn63 per ANSI-J-STD-006.
FLUX: TYPE ROL1 per ANSI-J-STD-004.
THERMAL INDICATOR: Color change: violet to colorless.
- MELTABLE RING: Environment resistant thermoplastic. Color: blue.
- GROUND LEAD: MIL-W-22759/32-AA-90 lead gauge per table.

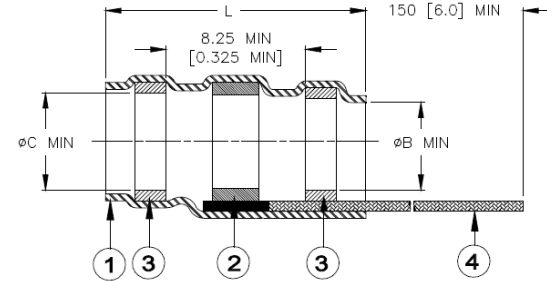
APPLICATION

- These parts are designed to provide an environment resistant shield termination on cables meeting the following criteria:
Dimensions: Per table. Jacket rating: 125°C.
Shield plating: Tin or silver. Jacket material: See M83519/2 or consult Raychem.
- Parts are qualified to M83519/2.
- For assembly information, refer to Raychem document RCPS-100-70.



SO63-0x

SPECIFICATION CONTROL DRAWING



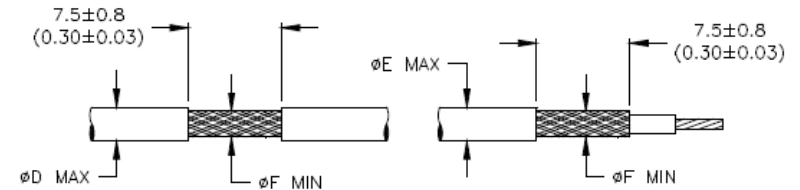
Product Revision	Product Name	Ident. Code	Component Dimensions			Shall Accommodate with Cable Dimensions		
			L±1.75 (L±0.070)	øB min	øC min	øD max	øE max	øF min
SO63-1-01	E	SO631R	16.50 (0.650)	1.90 (0.075)	2.65 (0.105)	1.90 (0.075)	2.65 (0.105)	0.90 (0.035)
SO63-2-01	E	SO632R	16.50 (0.650)	2.65 (0.105)	3.68 (0.145)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)
SO63-3-01	E	SO633R	16.50 (0.650)	4.30 (0.170)	5.08 (0.200)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)
SO63-4-01	E	SO634R	19.10 (0.750)	5.95 (0.235)	6.45 (0.255)	5.95 (0.235)	6.45 (0.255)	3.30 (0.130)
SO63-5-01	E	SO635R	19.10 (0.750)	7.00 (0.275)	7.60 (0.300)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:
SOLDER: TYPE Sn63 per ANSI-J-STD-006.
FLUX: TYPE ROL1 per ANSI-J-STD-004.
THERMAL INDICATOR: Fusible ring, melt point: 221°C.
- MELTABLE RINGS: Stabilized thermoplastic. Color: blue.
- PRE-INSTALLED BRAID: Nickel-plated copper strands. CMA 640.

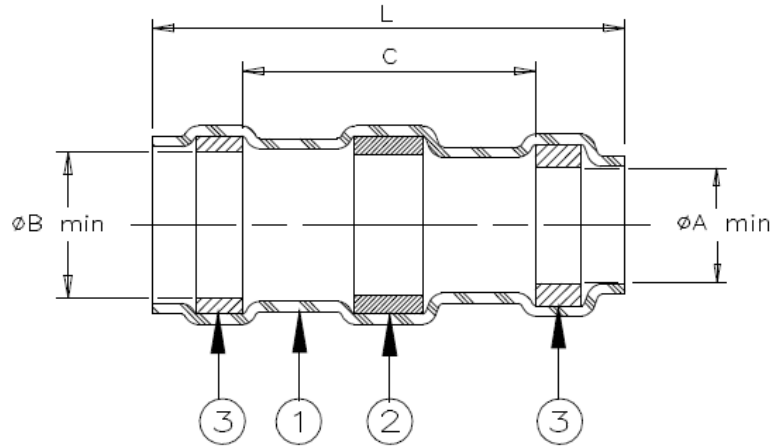
APPLICATION

- These parts are designed to provide an environment protected shield termination on cables, rated for 125°C minimum, meeting the dimensional criteria listed and having tin or silver-plated shields and insulation compatible with the insert material.
For compatible insulations, see MIL-S-83519/2 or consult TE Connectivity/Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet those requirements of Raychem Specification RT-1404 and MIL-S-83519/2 which do not require electrical testing while parts are immersed in water.
- Temperature range: -55°C to +150°C.
- Parts shall be marked with identification code per table.
For best results, prepare the cable as shown:



SO96-x-00

SPECIFICATION CONTROL DRAWING



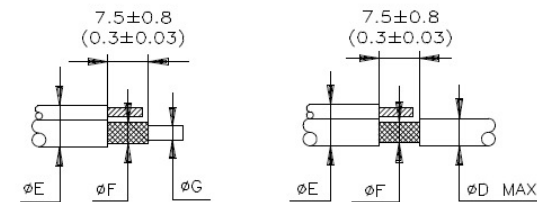
MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR
 SOLDER: TYPE Sn96 per ANSI-J-STD-006.
 FLUX: TYPE ROM1 per ANSI-J-STD-004.
 THERMAL INDICATOR: Color changes from orange to colorless.
- MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.

APPLICATION

- These parts are designed to provide an environment resistant shield terminations on cables, rated for 150°C minimum, meeting the dimensional criteria listed, having nickel plated shields and insulation compatible with the insert material. For compatible insulations, see MIL-S-83519/1 or consult Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet requirements of Raychem Specification RT-1404 and MIL-S-83519.
- Temperature range: -55°C to +175°C.

For best results, prepare the cable as shown:



Product Revision		Product Dimensions					Cable Dimensions			
Product Name		Ident. Code	L±1.75 (L±0.07)	øA min	øB min	C min	øD max	øE max	øF min	øG min
SO96-1-00	F	SO961R	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	1.90 (0.075)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)
SO96-2-00	F	SO962R	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)	0.72 (0.030)
SO96-3-00	F	SO963R	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)
SO96-4-00	F	SO964R	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	5.95 (0.235)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)
SO96-5-00	F	SO965R	19.1 (0.750)	7.00 (0.275)	7.60 (0.300)	8.25 (0.325)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)	2.50 (0.100)