



DSG-CANUSA

A SHAWCOR COMPANY

INSULATE
SEAL
PROTECT

WIND GENERATION PRODUCTS



TABLE OF CONTENTS

SINGLE WALL PRODUCTS

CPX 100	1
Low Voltage Bus Bar Insulation Systems	3
CPX 300	5

DUAL WALL PRODUCTS

CPA 100	7
Adhesive Lined, High Shrink Ratio	9

LOW VOLTAGE PRODUCTS

CFM	11
Wireless Cell Towers	13
HVAC Systems	15
Pre-molded Splices	17
Corrosion Protection between U-bolts and Pipes	19
CFW	21
Insulating and Protecting Cable Joints and Terminations	23
FCFW	25
Fire System Savings	27
Eyelit Terminals/Battery Cables	29
FCFW QuickWrap	31
Adhesive Lined Wraparound Sleeve	33
CFHR	35
High Ratio 6:1 Heat Shrink Tubing	37

COMMUNICATION PRODUCTS

CTB-15 Tape	39
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CPX 100

INSULATE
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PROTECT

2:1
SHRINK RATIO



THIN WALL CROSS-LINKED POLYOLEFIN

FLEXIBLE, MULTI-PURPOSE HEAT SHRINK TUBING

FEATURES AND BENEFITS

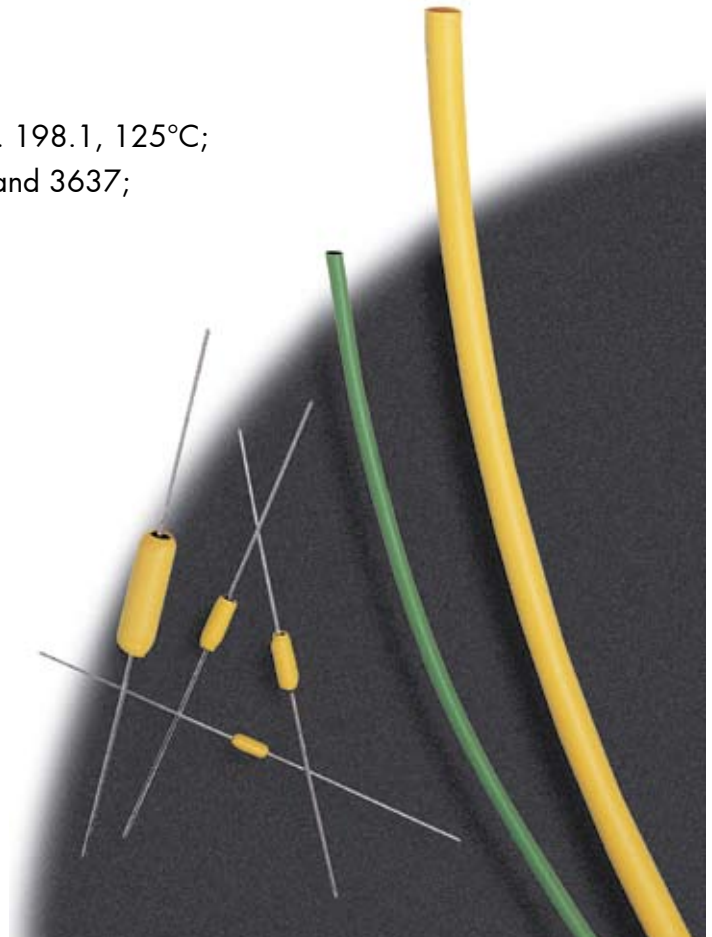
- 2:1 shrink ratio
- Flame retardant (colours only)
- Resistant to common fluids and solvents
- Economical mechanical protection for terminal strain relief and wire bundling
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 90°C

STANDARDS

- Meets UL 224, 125°C (colours only); CSA C22.2 No. 198.1, 125°C; SAE-AMS-DTL-23053/5, Class 1 and 2, AMS 3636 and 3637; DEF STAN 59-97, Issue 3, Type 2a

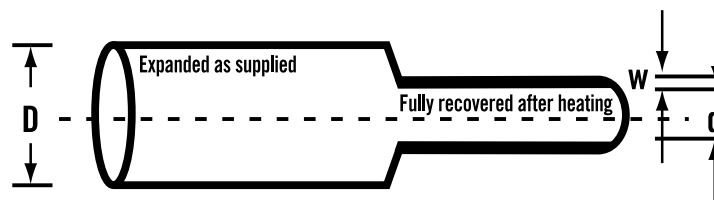
TYPICAL APPLICATIONS

- Electrical insulation of wire splices and terminals
- Strain relief of wire terminations
- Protects components from abrasion and fluids



DIMENSIONS

Order Number	Expanded		Recovered				Lengths	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Wall Thickness (nom.) W			
	mm	in	mm	in	mm	in	m	ft
0047	1.2	3/64	0.6	3/128	0.41	0.016	300	1000
0063	1.6	1/16	0.8	1/32	0.43	0.017	300	1000
0094	2.4	3/32	1.2	3/64	0.51	0.020	300	1000
0125	3.2	1/8	1.6	1/16	0.51	0.020	300	1000
0187	4.8	3/16	2.4	3/32	0.51	0.020	300	1000
0250	6.4	1/4	3.2	1/8	0.64	0.025	150	500
0375	9.5	3/8	4.7	3/16	0.64	0.025	150	500
0500	12.7	1/2	6.4	1/4	0.64	0.025	60	200
0625	16.0	5/8	8.0	5/16	0.76	0.030	60	200
0750	19.0	3/4	9.5	3/8	0.76	0.030	30	100
1000	25.4	1	12.7	1/2	0.89	0.035	30	100
1250	32.0	1 ¼	16.0	5/8	0.89	0.035	30	100
1500	38.1	1 ½	19.0	3/4	1.02	0.040	30	100
2000	50.8	2	25.4	1	1.14	0.045	30	100
3000	76.2	3	38.0	1 ½	1.27	0.050	15	50
4000	101.6	4	50.8	2	1.40	0.055	15	50



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Colour: Black (BK), Red (RD), White (WT), Clear (CL), Blue (BL), Yellow (YL), Green (GR)
 - Length: Standard Stick, Spool or custom length
- Please specify the product name, order reference number and options you require
- Order Example: CPX 100, 0375, black, 500 ft

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.



LOW VOLTAGE BUS BAR INSULATION SYSTEMS THIN WALL CROSS-LINKED POLYOLEFIN

Problem: A leading supplier of Wind Energy Generation equipment was looking for a low cost solution to insulate bus bars. The challenge was to displace expensive low voltage electrical power cables using large copper conductors with an alternative cost effective insulated bus bar system. The insulated bus bar connects power generated from the wind turbines to the low voltage underground electrical transmission and distribution cable network that supplies electricity to the grid. The application required insulation of three inch round aluminum bus bars which provided the equivalent current throughput as copper conductors in low voltage cables, but at a much lower cost. The solution also required flame retardant insulation material capable of sustaining extreme heat and emergency overload conditions without propagating a flame. The aluminum bus bars would be connected in 20 ft sections for a total of approximately 220 ft length per phase in every wind tower. Typically each tower would have 6 x 200 ft lengths of continuous bus bars installed.

Solution: DSG-Canusa's CPX 100 four inch was recommended to insulate the low voltage bus bar made from 3 inch diameter aluminum pipe. CPX 100 is also rated to 600 V, flame retardant and offers a cost effective solution that provides excellent electrical, thermal and physical properties.

In terms of application, the CPX 100 tube can be easily cut to length and applied on the various sections of aluminum bus bars and recovered consistently through a conveyer style heat shrink appliance to maximize production output. The product supplied was four inch in expanded diameter, unlined and red in colour to identify as a live electrical phase line.

PRODUCT NAME

CPX 100

PRODUCT DESCRIPTION

Flexible, thin wall, flame retardant multi-purpose heat shrink tubing



APPLICATION

- Suitable for colour coding and low voltage electrical insulation applications
- Suitable for protecting against common fluids and solvents
- Ideal for wiring devices where abrasion resistance and electrical protection are required
- Suitable for use in environments where flame retardancy is required for health and safety reasons, e.g. use of fire retardant materials that can aid in rescue activities and prevent injury to those involved in fire and evacuation efforts

ADVANTAGES

- Improves time of application and eliminates need for high temperature application that can damage wires
- Multi purpose uses helps to reduce SKUs by consolidating on one product or stocking reels
- Resistant to a wide range of fluids and solvents
- 2:1 shrink ratio allows for coverage of irregularly shaped connectors and components
- In addition to weather proofing the connection, it also provides strain relief and vibration resistance

MARKET SEGMENTS

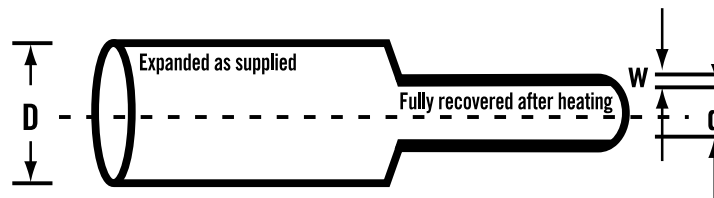
Automotive, Electronics, Electrical, Industrial OEM

OTHER POTENTIAL USERS

Auto manufacturers, OEM battery cable manufacturers, Electrical OEMs and low voltage switch gear manufacturers, Power distribution and panel builders for low voltage applications

DIMENSIONS

Order Number	Expanded		Recovered				Lengths	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Wall Thickness (nom.) W			
	mm	in	mm	in	mm	in	m	ft
0047	1.2	3/64	0.6	3/128	0.41	0.016	300	1000
0063	1.6	1/16	0.8	1/32	0.43	0.017	300	1000
0094	2.4	3/32	1.2	3/64	0.51	0.020	300	1000
0125	3.2	1/8	1.6	1/16	0.51	0.020	300	1000
0187	4.8	3/16	2.4	3/32	0.51	0.020	300	1000
0250	6.4	1/4	3.2	1/8	0.64	0.025	150	500
0375	9.5	3/8	4.7	3/16	0.64	0.025	150	500
0500	12.7	1/2	6.4	1/4	0.64	0.025	60	200
0625	16.0	5/8	8.0	5/16	0.76	0.030	60	200
0750	19.0	3/4	9.5	3/8	0.76	0.030	30	100
1000	25.4	1	12.7	1/2	0.89	0.035	30	100
1250	32.0	1 ¼	16.0	5/8	0.89	0.035	30	100
1500	38.1	1 ½	19.0	3/4	1.02	0.040	30	100
2000	50.8	2	25.4	1	1.14	0.045	30	100
3000	76.2	3	38.0	1 ½	1.27	0.050	15	50
4000	101.6	4	50.8	2	1.40	0.055	15	50



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Colour: Black (BK), Red (RD), White (WT), Clear (CL), Blue (BL), Yellow (YL), Green (GR)
 - Length: Standard Stick, Spool or custom length
- Please specify the product name, order reference number and options you require
- Order Example: CPX 100, 0375, black, 500 ft

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

CPX 300

INSULATE
SEAL
PROTECT

3:1
SHRINK RATIO



THIN WALL HIGH SHRINK RATIO CROSS-LINKED POLYOLEFIN

HIGH SHRINK RATIO, FLEXIBLE HEAT SHRINK TUBING

FEATURES AND BENEFITS

- High shrink ratio (3:1) is ideal for covering irregularly sized objects
- Resistant to common fluids and solvents
- Flame retardant
- Flexible
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 90°C

STANDARDS

- Meets UL 224 125°C
- CSA C22.2 No. 198.1 125°C
- SAE-AMS-DTL-23053/5 Class 1 and 2
- DEF STAN 59-97 Issue 3 Type 2a

TYPICAL APPLICATIONS

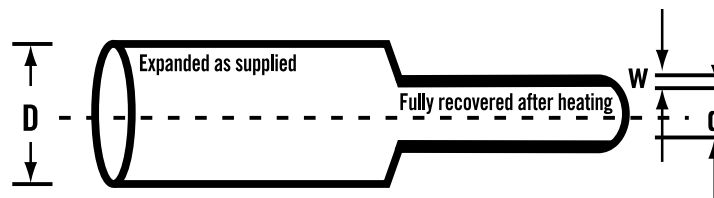
- Electrical insulation of in-line splices
- Strain relief of terminals
- Colour coding of electronic components



THIN WALL HIGH SHRINK RATIO CROSS-LINKED POLYOLEFIN CPX 300

DIMENSIONS

Order Number	Expanded		Recovered				Lengths	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Wall Thickness (nom.) W			
	mm	in	mm	in	mm	in	m	ft
0125	3.2	1/8	1.10	0.042	0.51	0.020	300	1,000
0187	4.8	3/16	1.60	0.063	0.70	0.020	300	1,000
0250	6.4	1/4	2.10	0.083	0.66	0.026	150	500
0375	9.5	3/8	3.20	0.125	0.76	0.030	150	500
0500	12.7	1/2	4.20	0.165	0.76	0.030	60	200
0750	19.1	3/4	6.40	0.250	0.84	0.033	30	100
1000	25.4	1	8.50	0.333	0.99	0.039	30	100
1500	38.1	1½	12.70	0.500	1.14	0.045	30	100



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Colour: Black (BK), Red (RD), White (WT), Blue (BL), Yellow (YL), Green (GR)
 - Printing: Printed or Unprinted
 - Length: Continuous reels
- Please specify the product name, order reference number and options you require
- Order Example: CPX 300, 0375, black, unprinted, 500 ft lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

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CPA 100

INSULATE
SEAL
PROTECT

3:1
SHRINK RATIO



Thin Wall Adhesive Lined Cross-linked Polyolefin

ADHESIVE LINED HEAT SHRINK TUBING WITH ENVIRONMENTAL SEALING CAPABILITY IDEAL FOR A VARIETY OF APPLICATIONS INCLUDING AUTOMOTIVE AND MARINE WIRE HARNESS BUNDLES, INDUSTRIAL SPLICES, BREAKOUTS AND CONNECTOR TO CABLE TRANSITIONS

FEATURES AND BENEFITS

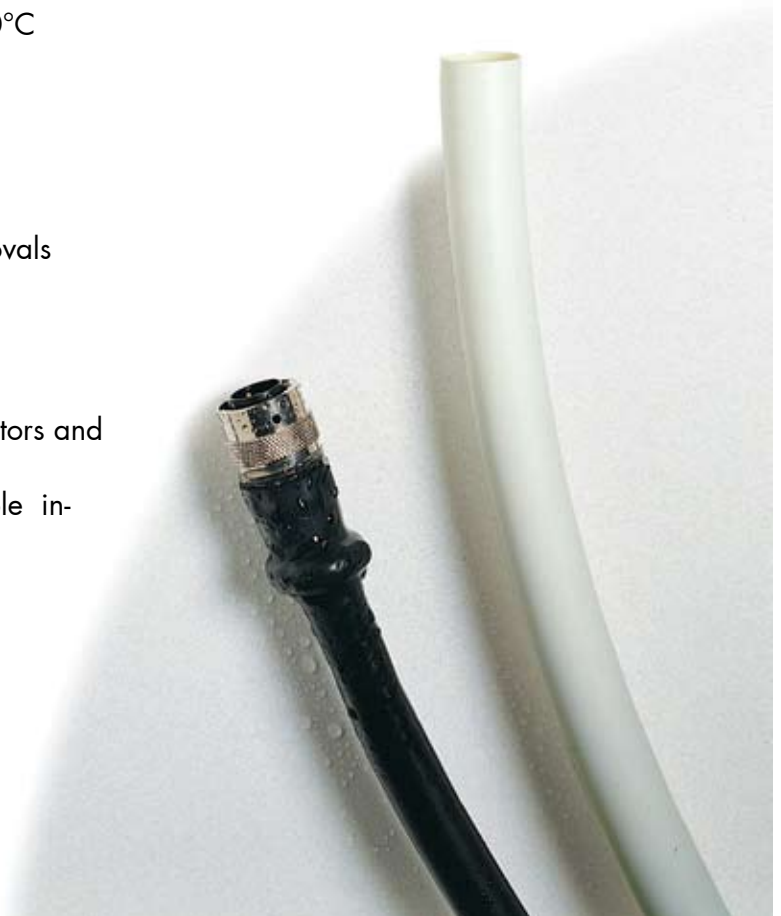
- 3:1 shrink ratio
- Flame retardant
- Superior sealing against water, moisture or other contaminants
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to plastics, rubber, neoprene, steel and polyethylene
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

STANDARDS

- Industrial, electronic and automotive OEM approvals

TYPICAL APPLICATIONS

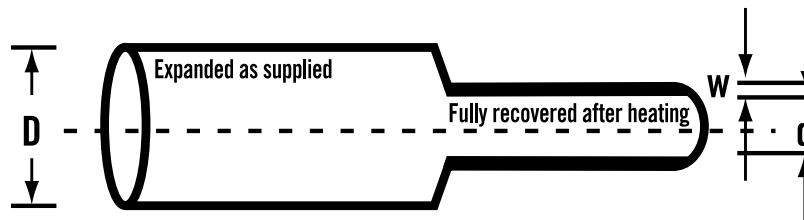
- Environmental sealing and strain relief of connectors and terminals
- Moisture sealing and electrical insulation of simple in-line splices
- Abrasion resistance for tubes and pipes
- Repair of damaged wire harnesses



Thin Wall Adhesive Lined Cross-linked Polyolefin CPA 100

DIMENSIONS

Order Number	Expanded		Recovered						Lengths (Sticks)	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Total Wall Thickness (nom.) W		Meltable Wall Thickness (nom.)			
	mm	in	mm	in	mm	in	mm	in	m	in
0125	3.2	1/8	1.0	0.040	1.0	0.040	0.5	0.020	1.2	48
0187	4.7	3/16	1.5	0.060	1.0	0.040	0.5	0.020	1.2	48
0250	6.4	1/4	2.0	0.080	1.0	0.040	0.5	0.020	1.2	48
0312	7.9	5/16	2.5	0.100	1.3	0.050	0.7	0.027	1.2	48
0375	9.5	3/8	3.2	0.125	1.5	0.060	0.7	0.027	1.2	48
0500	12.7	1/2	4.1	0.160	1.8	0.070	0.8	0.030	1.2	48
0750	19.1	3/4	6.4	0.250	1.8	0.070	0.8	0.030	1.2	48
1000	25.4	1	8.1	0.320	2.5	0.100	1.0	0.040	1.2	48
1250	31.8	1¼	10.6	0.416	2.5	0.100	1.0	0.040	1.2	48
1500	39.9	1½	13.0	0.510	2.5	0.100	1.0	0.040	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Colour: Black (BK), Red (RD), Clear (CL), Blue (BL), White (WT), Yellow (YW)
 - Length: Standard Stick, Spool or custom length
- Please specify the product name, order reference number and options you require
- Order Example: CPA 100, 0125, black, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

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ADHESIVE LINED, HIGH SHRINK RATIO (3:1), HEAT SHRINK TUBING THIN WALL ADHESIVE LINED CROSS-LINKED POLYOLEFIN

PRODUCT NAME

CPA 100

PRODUCT DESCRIPTION

Adhesive lined, high shrink ratio (3:1), heat shrink tubing

APPLICATION

- Connectorized cable repair
- Water resistance and encapsulation of connectors, splices or other substrates
- Suitable for insulating and protection LV electrical connectors and terminal blocks
- Environment and outdoor protection
- Identifies cable polarity (Red: +ive, Black: -ive); cables are easier to route and trouble-shoot
- Ideal for jacketing cables where abrasion resistance and electrical protection are required
- Strain relief of eyelit terminals and connectors
- Coat pipes or other substrates to protect from mechanical damage caused by vibration or impact

ADDITIONAL ATTRIBUTES

- Available in sizes from 1/8 in up to 1.57 in
- Available in black, red, blue or clear colours

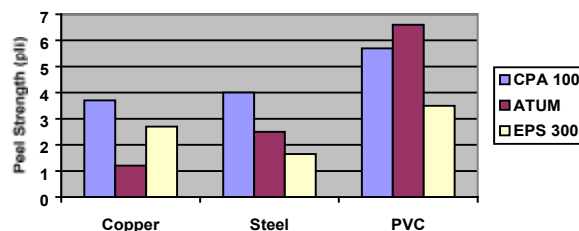
MARKET SEGMENT

Automotive, Electrical, Industrial, OEM

ADVANTAGE

- CPA adhesive has industry best peel strength allowing more assurance of product reliability over time
- Low shrink temperature improves time of application and eliminates need for high temperature application that can damage wires
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- 3:1 shrink ratio allows part rationalization when used to replace 2:1 ratio products
- DSG-Canusa technical and customer support

PEEL STRENGTH COMPARISON



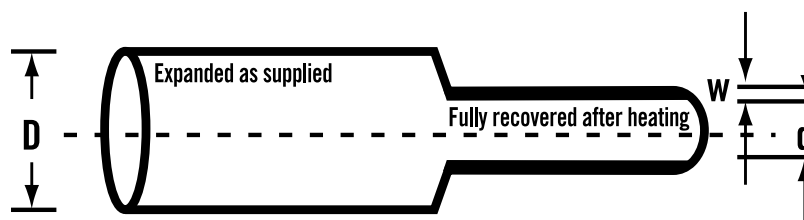
OTHER POTENTIAL USES

Auto manufacturers, OEM battery cable manufacturers, Electric Utilities for cable splice protection



DIMENSIONS

Order Number	Expanded		Recovered						Lengths (Sticks)	
	Internal Diameter (min.) D		Internal Diameter (max.) d		Total Wall Thickness (nom.) W		Meltable Wall Thickness (nom.)			
	mm	in	mm	in	mm	in	mm	in	m	in
0125	3.2	1/8	1.0	0.040	1.0	0.040	0.5	0.020	1.2	48
0187	4.7	3/16	1.5	0.060	1.0	0.040	0.5	0.020	1.2	48
0250	6.4	1/4	2.0	0.080	1.0	0.040	0.5	0.020	1.2	48
0312	7.9	5/16	2.5	0.100	1.3	0.050	0.7	0.027	1.2	48
0375	9.5	3/8	3.2	0.125	1.5	0.060	0.7	0.027	1.2	48
0500	12.7	1/2	4.1	0.160	1.8	0.070	0.8	0.030	1.2	48
0750	19.1	3/4	6.4	0.250	1.8	0.070	0.8	0.030	1.2	48
1000	25.4	1	8.1	0.320	2.5	0.100	1.0	0.040	1.2	48
1250	31.8	1¼	10.6	0.416	2.5	0.100	1.0	0.040	1.2	48
1500	39.9	1½	13.0	0.510	2.5	0.100	1.0	0.040	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options:
 - Colour: Black (BK), Red (RD), Clear (CL), Blue (BL), White (WT), Yellow (YW)
 - Length: Standard Stick, Spool or custom length
- Please specify the product name, order reference number and options you require
- Order Example: CPA 100, 0125, black, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

INSULATE
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3:1
SHRINK RATIO



MEDIUM WALL CROSS-LINKED POLYOLEFIN

MEDIUM WALL HEAT SHRINK TUBING SUITABLE FOR A VARIETY OF LOW VOLTAGE ELECTRICAL AND MECHANICAL APPLICATIONS WHERE LIGHTER WEIGHT AND GREATER FLEXIBILITY ARE IMPORTANT

FEATURES AND BENEFITS

- Seals and protects cable splices and terminations
- Rugged mechanical protection
- Complete moisture sealing
- Strain relief for delicate wire connections
- High resistance to impact and abrasion
- Optional Thermoplastic adhesive liner for complete environmental protection and insulation
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

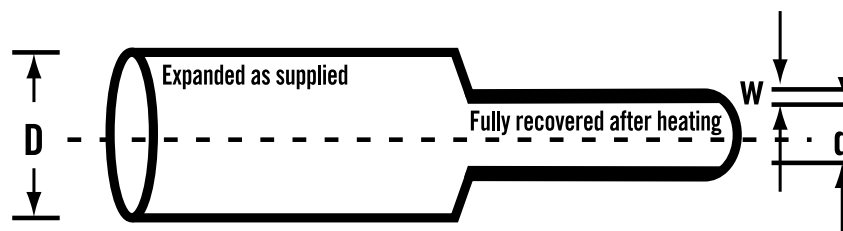
TYPICAL APPLICATIONS

- Strain relief and environmental protection
- Splice covers for electrical cables
- HVAC systems for pipes and ducts
- Insulation cover or jacket repair on low voltage cables



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W					
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	48
1100	27.9	1.10	10.2	0.40	2.4	0.095	11.5 - 25	.45 - 1.0	1.2	48
1300	33.0	1.30	10.2	0.40	2.4	0.095	11.5 - 30	.45 - 1.2	1.2	48
1500	38.1	1.50	12.7	0.50	2.4	0.095	14.0 - 35	.55 - 1.4	1.2	48
1700	43.2	1.70	12.7	0.50	2.5	0.100	14.0 - 40	.55 - 1.6	1.2	48
2050	52.1	2.05	19.1	0.75	2.5	0.100	21.0 - 45	.82 - 1.8	1.2	48
2750	69.9	2.75	25.4	1.00	2.5	0.100	30.0 - 63	1.2 - 2.5	1.2	48
3500	88.9	3.50	30.0	1.18	2.5	0.100	33 - 83.8	1.3 - 3.3	1.2	48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	48
6000	152.4	6.00	50.8	2.00	3.0	0.120	53.3 - 147	2.1 - 5.8	1.2	48
6700	170.2	6.70	58.4	2.30	3.0	0.120	70.0 - 165	2.4 - 6.5	1.2	48
9000	228.6	9.00	77.0	3.00	3.3	0.130	71.0 - 220	2.8 - 8.7	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK), Red (RD), Clear (CL)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12, 24 or 48 inch, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require
- Order Example: CFM, 1100, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

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WIRELESS CELL TOWERS

LIGHTER WEIGHT AND GREATER FLEXIBILITY

Wireless carriers use cell towers for transmitting and receiving signals. Cell towers are the main base for transmitting a strong and good communication signal. A cell phone tower is typically a steel or lattice structure that rises hundreds of feet into the air with communication equipment (box) at the base of the tower. The box houses radio transmitters and receivers and enables connectivity with the land line phone network. The radio connects with the antenna on the tower through a set of cables and connectors. These connectors need to be protected from moisture to eliminate corrosion and disturbance in the signals. To help achieve this objective CFM tubes are employed in these harsh environmental conditions because of their excellent sealing properties as the hot melt adhesive enables full encapsulation of cables and connectors at the junction and prevents moisture ingress by providing a moisture proof seal. Using CFM tube in this outdoor application has helped wireless carriers to reduce both the direct costs (system down time for repair and upgrade) and indirect costs (customer complaints). A major advantage of CFM tubes is that they can also assist in identifying different settings or phase by employing a colour coding strategy.

PRODUCT NAME

CFM

PRODUCT DESCRIPTION

Medium wall heat shrink tubing with high resistance to impact and abrasion suitable for low voltage electrical and mechanical applications.



ADVANTAGE

- Superior jacket tear resistance and elastomer characteristic allowing better conformance over irregular contours without splitting.
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction.
- Provides good strain relief.
- After recovery provides an excellent outer cover for sealing and protection.
- Expanded tube diameters up to 9 in with high 3:1 shrink ratio can help rationalize stock requirements.
- Excellent sealing efficiency ensuring no moisture ingress as the hot melt adhesive enables full encapsulation of cables and connectors.

ADDITIONAL ATTRIBUTES

- CFM has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation to electron beams, thus retaining all original bonding properties.

MARKET SEGMENT

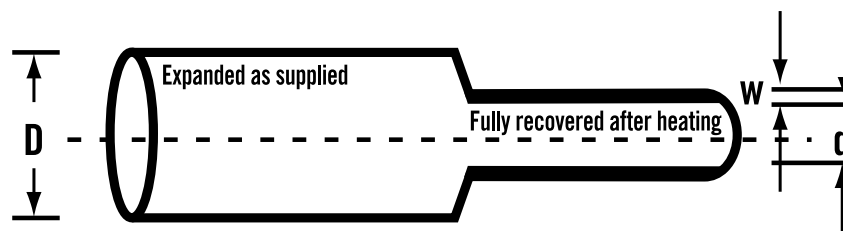
Electrical, Communications, Off-shore, Industrial Oil and Gas, Utilities

OTHER POTENTIAL USERS

- Andrew, Trilogy Communications, Commscope, RFS

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W					
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	48
1100	27.9	1.10	10.2	0.40	2.4	0.095	11.5 - 25	.45 - 1.0	1.2	48
1300	33.0	1.30	10.2	0.40	2.4	0.095	11.5 - 30	.45 - 1.2	1.2	48
1500	38.1	1.50	12.7	0.50	2.4	0.095	14.0 - 35	.55 - 1.4	1.2	48
1700	43.2	1.70	12.7	0.50	2.5	0.100	14.0 - 40	.55 - 1.6	1.2	48
2050	52.1	2.05	19.1	0.75	2.5	0.100	21.0 - 45	.82 - 1.8	1.2	48
2750	69.9	2.75	25.4	1.00	2.5	0.100	30.0 - 63	1.2 - 2.5	1.2	48
3500	88.9	3.50	30.0	1.18	2.5	0.100	33 - 83.8	1.3 - 3.3	1.2	48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	48
6000	152.4	6.00	50.8	2.00	3.0	0.120	53.3 - 147	2.1 - 5.8	1.2	48
6700	170.2	6.70	58.4	2.30	3.0	0.120	70.0 - 165	2.4 - 6.5	1.2	48
9000	228.6	9.00	77.0	3.00	3.3	0.130	71.0 - 220	2.8 - 8.7	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK), Red (RD), Clear (CL)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12, 24 or 48 inch, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require
- Order Example: CFM, 1100, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.



HVAC SYSTEMS

LIGHTER WEIGHT AND GREATER FLEXIBILITY

Semi-conductor chip fabrication or food packaging industries have cleanroom facilities where the air in the enclosed area is purified to a defined particle limit. In these rooms the air is under constant pressure at all times and is supplied through HVAC (Heating, Ventilation and Air Conditioning) systems. The HVAC systems use conduit or pipes which have multiple joints. For the suction or vacuum process to work efficiently it is essential that there is no leakage at the joints. DSG-Canusa's CFM tubes play an important role in this application by providing a strong and air tight connection when joining hose and pipe fittings.

CFM tube can be applied in four quick steps:

1. Flash the joint lightly with torch to remove excess foreign matter then place shrink sleeve on tubing or fitting.
2. Join tubing and fitting together. Centre shrink sleeve over joint.
3. Heat shrink sleeve with wide billowy flame. DO NOT use pin point flame. Work flame around joint evenly.
4. At 250°F shrink sleeve will tighten around tube and adhesive will appear from sides. Remove flame and allow to cool. Joint is complete.

PRODUCT NAME

CFM

PRODUCT DESCRIPTION

Medium wall heat shrink tubing with high resistance to impact and abrasion suitable for low voltage electrical and mechanical applications.



ADVANTAGE

- Superior jacket tear resistance and elastomer characteristic allowing better conformance over irregular contours without splitting.
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction.
- Provides good strain relief.
- After recovery provides an excellent outer cover for sealing and mechanical protection.
- Expanded tube diameters up to 9 in with high 3:1 shrink ratio can help rationalize stock requirements.
- Excellent sealing efficiency ensuring no moisture ingress as the hot melt adhesive enables full encapsulation of cables and connectors.

Additional Attributes

- CFM has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation to electron beams, thus retaining all original bonding properties.

MARKET SEGMENT

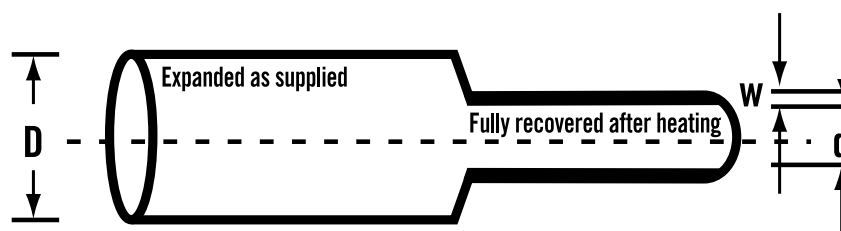
Electrical, Industrial, Offshore, Oil and Gas, Utilities

OTHER POTENTIAL USERS

- Cable accessory suppliers

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W					
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	48
1100	27.9	1.10	10.2	0.40	2.4	0.095	11.5 - 25	.45 - 1.0	1.2	48
1300	33.0	1.30	10.2	0.40	2.4	0.095	11.5 - 30	.45 - 1.2	1.2	48
1500	38.1	1.50	12.7	0.50	2.4	0.095	14.0 - 35	.55 - 1.4	1.2	48
1700	43.2	1.70	12.7	0.50	2.5	0.100	14.0 - 40	.55 - 1.6	1.2	48
2050	52.1	2.05	19.1	0.75	2.5	0.100	21.0 - 45	.82 - 1.8	1.2	48
2750	69.9	2.75	25.4	1.00	2.5	0.100	30.0 - 63	1.2 - 2.5	1.2	48
3500	88.9	3.50	30.0	1.18	2.5	0.100	33 - 83.8	1.3 - 3.3	1.2	48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	48
6000	152.4	6.00	50.8	2.00	3.0	0.120	53.3 - 147	2.1 - 5.8	1.2	48
6700	170.2	6.70	58.4	2.30	3.0	0.120	70.0 - 165	2.4 - 6.5	1.2	48
9000	228.6	9.00	77.0	3.00	3.3	0.130	71.0 - 220	2.8 - 8.7	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK), Red (RD), Clear (CL)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12, 24 or 48 inch, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require
- Order Example: CFM, 1100, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

PRE-MOLDED SPLICES

LIGHTER WEIGHT AND GREATER FLEXIBILITY

CFM is used as a re-jacketing cover to protect pre-molded splices against moisture ingress and to provide a complete environmental seal. Application of heat during the recovery process causes an adhesive liner to melt and as the tubing shrinks it forms an intimate contact with all underlying surfaces and eliminates voids. This yields a water-tight seal suitable for above grade and underground applications of electric power cable joints and accessories.

Since CFM tubing has a 3:1 shrink ratio, the tube shrinks not only over the maximum diameter of the splice but also recovers to the cable jacket O.D. with the same piece of tube. The adhesive has excellent encapsulation and bonding characteristics on PE/PVC jackets to ensure long term reliability of the complete joint system.

CFM also offers excellent mechanical protection and abrasion resistance. After installation of the splice, the cable is normally buried underground and has to withstand the harsh environment, i.e. rock, moisture and rodent intrusion.

PRODUCT NAME

CFM

PRODUCT DESCRIPTION

Medium wall heat shrink tubing with high resistance to impact and abrasion suitable for low voltage electrical and mechanical applications.

ADVANTAGE

- Superior jacket tear resistance and elastomer characteristic allowing better conformance over irregular contours without splitting.
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction.
- Provides good strain relief and vibration resistance.
- After recovery provides an excellent outer cover for protection.
- Expanded tube diameters up to 9 in with high 3:1 shrink ratio can help rationalize inventory requirements.
- Excellent sealing efficiency ensuring no moisture ingress as the hot melt adhesive enables full encapsulation of cables and connectors.

ADDITIONAL ATTRIBUTES

- CFM has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation to electron beams, thus retaining all original bonding properties.

MARKET SEGMENT

Electrical, Industrial, Offshore, Oil and Gas, Utilities

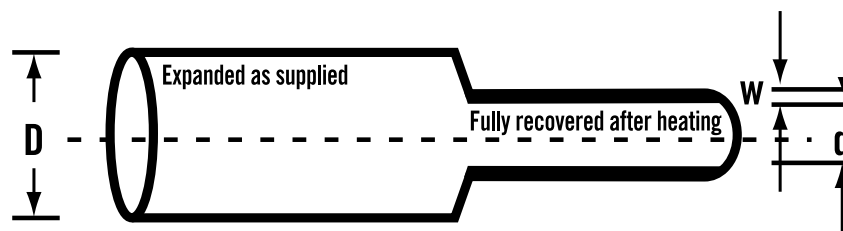
OTHER POTENTIAL USERS

- Cable accessory suppliers



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W					
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	48
1100	27.9	1.10	10.2	0.40	2.4	0.095	11.5 - 25	.45 - 1.0	1.2	48
1300	33.0	1.30	10.2	0.40	2.4	0.095	11.5 - 30	.45 - 1.2	1.2	48
1500	38.1	1.50	12.7	0.50	2.4	0.095	14.0 - 35	.55 - 1.4	1.2	48
1700	43.2	1.70	12.7	0.50	2.5	0.100	14.0 - 40	.55 - 1.6	1.2	48
2050	52.1	2.05	19.1	0.75	2.5	0.100	21.0 - 45	.82 - 1.8	1.2	48
2750	69.9	2.75	25.4	1.00	2.5	0.100	30.0 - 63	1.2 - 2.5	1.2	48
3500	88.9	3.50	30.0	1.18	2.5	0.100	33 - 83.8	1.3 - 3.3	1.2	48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	48
6000	152.4	6.00	50.8	2.00	3.0	0.120	53.3 - 147	2.1 - 5.8	1.2	48
6700	170.2	6.70	58.4	2.30	3.0	0.120	70.0 - 165	2.4 - 6.5	1.2	48
9000	228.6	9.00	77.0	3.00	3.3	0.130	71.0 - 220	2.8 - 8.7	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK), Red (RD), Clear (CL)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12, 24 or 48 inch, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require
- Order Example: CFM, 1100, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.



CORROSION PROTECTION BETWEEN U-BOLTS AND PIPES

Pipes running through refineries, chemical plants and offshore platforms are rested on, or secured to, a structural beam support member using U-bolts. Over time the contact area between the uncoated U-bolts and pipe erodes and starts deteriorating the material in the presence of moisture. This excessive corrosion at the pipe support point is the leading cause of process pipe failure and it eventually develops into pinhole leaks. Polyolefin based CFM U-Bolt heat shrink sleeves are designed to solve this problem. It is smooth, durable and shrunk over the shank of the U-bolt. This helps reduce the risk of cracking the paint film around the pipe as the bolt is torqued down. The polyolefin material provides the right combination of hardness and durability to protect the pipe paint but avoids setting up a capillary crevice around the circumference of the pipe. CFM U-Bolt is available in 750 and 1100 sizes and can be applied to several sizes of U-bolts.

PRODUCT NAME

CFM U-Bolt

PRODUCT DESCRIPTION

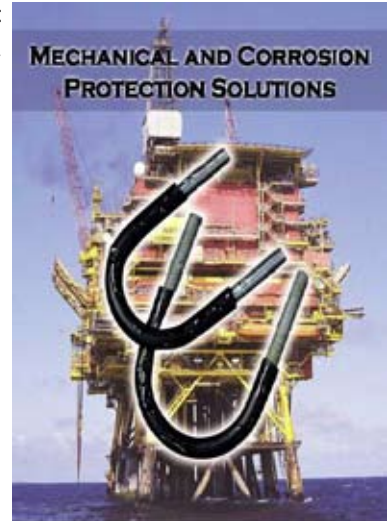
Medium wall heat shrink tubing with high resistance to impact and abrasion suitable for corrosion and mechanical protection.

ADVANTAGE

- Has superior jacket tear resistance and elastomeric characteristics allowing better conformance over irregular contours without splitting
- Unique design provides smooth recovery over U-bolts without creases or wrinkles
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction
- Provides good strain relief and vibration resistance
- Expanded tube diameters of 0.75 in and 1.1 in with high 3:1 shrink ratio can help rationalize stock requirements
- After recovery, provides an excellent outer cover for protection
- Highly reliable as it is unaffected by heat, ultra-violet rays, vibration, sandblasting or other conditions pertaining to an industrial and marine environment

MARKET SEGMENT

Electrical, Offshore, Marine, Industrial Oil and Gas, Utilities



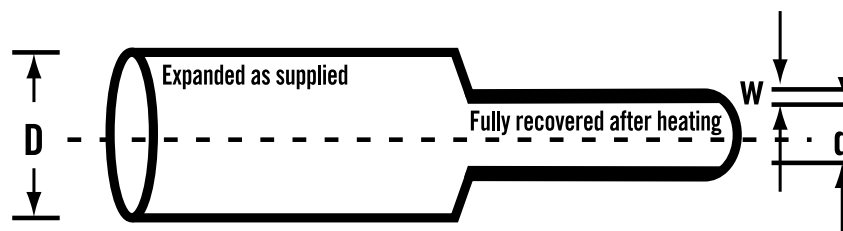
ADDITIONAL ATTRIBUTES

- CFM U-Bolt has a 3:1 shrink ratio to provide a greater application range.



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W					
	MM	IN	MM	IN	MM	IN	MM	IN	M	IN
0400	10.2	0.40	3.8	0.15	2.0	0.080	4.5 - 8.5	.18 - .34	1.2	48
0750	19.1	0.75	5.6	0.22	2.0	0.080	6.0 - 16.5	.24 - .65	1.2	48
1100	27.9	1.10	10.2	0.40	2.4	0.095	11.5 - 25	.45 - 1.0	1.2	48
1300	33.0	1.30	10.2	0.40	2.4	0.095	11.5 - 30	.45 - 1.2	1.2	48
1500	38.1	1.50	12.7	0.50	2.4	0.095	14.0 - 35	.55 - 1.4	1.2	48
1700	43.2	1.70	12.7	0.50	2.5	0.100	14.0 - 40	.55 - 1.6	1.2	48
2050	52.1	2.05	19.1	0.75	2.5	0.100	21.0 - 45	.82 - 1.8	1.2	48
2750	69.9	2.75	25.4	1.00	2.5	0.100	30.0 - 63	1.2 - 2.5	1.2	48
3500	88.9	3.50	30.0	1.18	2.5	0.100	33 - 83.8	1.3 - 3.3	1.2	48
4700	119.4	4.70	39.9	1.57	2.7	0.105	40.6 - 114	1.6 - 4.5	1.2	48
6000	152.4	6.00	50.8	2.00	3.0	0.120	53.3 - 147	2.1 - 5.8	1.2	48
6700	170.2	6.70	58.4	2.30	3.0	0.120	70.0 - 165	2.4 - 6.5	1.2	48
9000	228.6	9.00	77.0	3.00	3.3	0.130	71.0 - 220	2.8 - 8.7	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK), Red (RD), Clear (CL)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12, 24 or 48 inch, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require
- Order Example: CFM, 1100, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

HEAVY WALL CROSS-LINKED POLYOLEFIN TUBING

HEAVY WALL HEAT SHRINK TUBING PROVIDES MAXIMUM RELIABILITY FOR INSULATING AND PROTECTING CABLE JOINTS AND TERMINATIONS

FEATURES AND BENEFITS

- 3:1 shrink ratio
- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations
- High impact, abrasion, corrosion and chemical resistance
- Rated for 1 kV, 90°C continuous use
- Optional thermoplastic adhesive liner provides complete environmental protection and insulation
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

STANDARDS

- Meets UL 486D, CSA C22.2 No. 198.2
- ANSI C119- 1; Western Underground Guide Numbers 2.4 and 2.5; ICEA and NEMA insulation thickness requirements
- DNV Type approval

TYPICAL APPLICATIONS

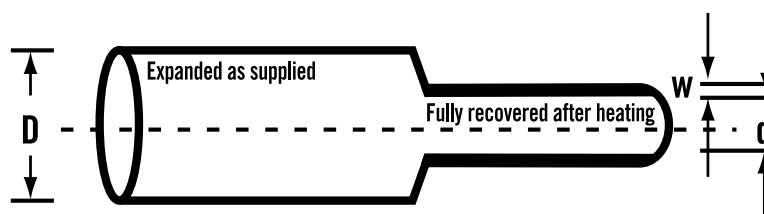
- Electrical/Utility
- Industrial
- Strain relief and mechanical protection
- Insulation of primary low voltage cables



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500	13.0	0.51	4.1	0.16	2.0	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	6.1	0.24	3.0	0.12	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	3.6	0.14	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	3.6	0.14	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	3.8	0.15	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	3.8	0.15	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	3.8	0.15	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48
5100*	129.5	5.10	39.9	1.57	3.8	0.15	43 - 109	1.7 - 4.3		1.2	48
6000*	152.4	6.00	50.8	2.00	3.8	0.15	56 - 130	2.2 - 5.1		1.2	48
6700*	170.2	6.70	56.6	2.23	3.8	0.15	61 - 145	2.4 - 5.7		1.2	48

*CFW sizes 3500 to 6700 are not UL or CSA listed



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Red (RD)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 9, 12, 24 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: CFW, 1500, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.



INSULATING AND PROTECTING CABLE JOINTS AND TERMINATIONS

COST EFFECTIVE - MAXIMUM RELIABILITY

CFW is an ideal and cost effective solution for sealing electrical connections and low voltage splices on electrical circuits. Because of its high dielectric strength it provides excellent electrical resistance properties.

When low voltage distribution cables are run from transformers to a home, several joints may often be required. CFW can be effectively used to protect the splice as it is rated for 1 kV. It also protects the connection from severe environmental conditions and provides mechanical strength. The adhesive liner provides superior sealing properties and a strong bond ensures product reliability over time.

CFW is UL listed and CSA certified for direct burial installations.

PRODUCT NAME

CFW

PRODUCT DESCRIPTION

Heavy wall heat shrink tubing provides maximum reliability for insulating and protection cable joints and terminations.



APPLICATION

- Suitable for insulating and protection of LV electrical connectors and terminal blocks.
- Ideal for jacketing cables where abrasion resistance and electrical protection are required.
- Can be used to seal in-line URD splices and termination connections up to 1000 V.

ADVANTAGE

- CFW tube provides excellent mechanical protection and high impact/abrasion resistance.
- Withstands severe mechanical requirements of URD, submersible and direct burial installations.
- Provides good strain relief.
- Has superior corrosion and chemical resistance and withstands corrosion to commonly used metal substrates.
- Reduces number of stock items in inventory.

ADDITIONAL ATTRIBUTES

- CFW has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation to electron beams, thus retaining all original bonding properties.

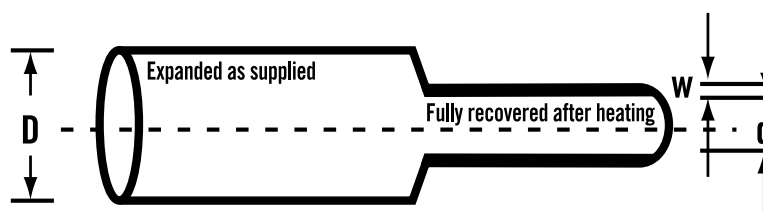
MARKET SEGMENT

- Military, Electrical, Utilities, OEM

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500	13.0	0.51	4.1	0.16	2.0	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	6.1	0.24	3.0	0.12	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	3.6	0.14	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	3.6	0.14	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	3.8	0.15	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	3.8	0.15	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	3.8	0.15	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48
5100*	129.5	5.10	39.9	1.57	3.8	0.15	43 - 109	1.7 - 4.3		1.2	48
6000*	152.4	6.00	50.8	2.00	3.8	0.15	56 - 130	2.2 - 5.1		1.2	48
6700*	170.2	6.70	56.6	2.23	3.8	0.15	61 - 145	2.4 - 5.7		1.2	48

*CFW sizes 3500 to 6700 are not UL or CSA listed



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Red (RD)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 9, 12, 24 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: CFW, 1500, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

HEAVY WALL CROSS-LINKED POLYOLEFIN TUBING

HEAVY WALL HEAT SHRINK TUBING INSULATES AND PROTECTS ELECTRICAL SPLICES AND TERMINATIONS WHERE MAXIMUM FLAME RETARDANCY AND EXCEPTIONAL INSULATING AND SEALING CHARACTERISTICS ARE REQUIRED

FEATURES AND BENEFITS

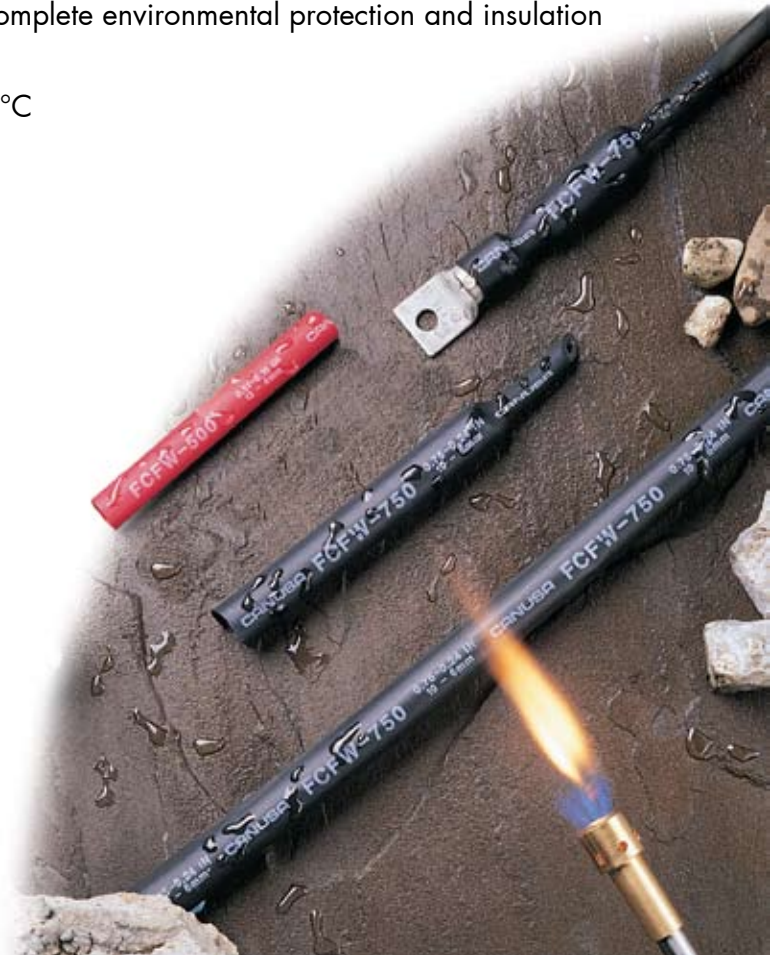
- 3:1 shrink ratio
- Flame retardant
- High impact and abrasion resistance - capable of withstanding severe mechanical abuse of U.R.D., submersible and direct burial installations
- FCFW tubing will not split or rupture during installation, even when overheated
- Optional thermoplastic adhesive liner provides complete environmental protection and insulation
- Rated for 1 kV, 90°C continuous use
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

STANDARDS

- Meets UL 486D; CSA C22.2 No. 198.2; ANSI C119- 1; Western Underground Guides No. 2.4 and 2.5
- IEEE 383 Vertical Flame Test; ANSI C37.20.2; ICEA S-19- 8 and NEMA insulation thickness requirements
- SAE-AMS-DTL-23053/15 Class 1
- DNV Type approval

TYPICAL APPLICATIONS

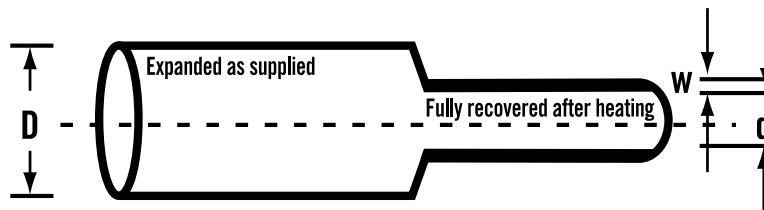
- Insulation of low voltage cables
- Battery cable protection
- Flame retardant systems



DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350**	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500**	13.0	0.51	4.1	0.16	2.4	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	6.1	0.24	2.5	0.09	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	4.1	0.16	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	4.1	0.16	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	4.1	0.16	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	4.1	0.16	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	4.2	0.17	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48

*FCFW 3500 and FCFW 4700 are not UL or CSA listed
 **Meets the material performance of MIL spec only



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Red (RD)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 9, 12 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: FCFW, 1500, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.



FIRE SYSTEM SAVINGS

A SOLUTION TO THE HIGH COST OF FIRE IN ELECTRICAL CABLE SYSTEMS

The hidden and direct costs of hard wire fires prove the benefits of using DSG-Canusa **FCFW Flame Retardant** heat shrink tubes. There is an increasing need to use thermally stable material in electrical cable systems that can sustain extreme heat and emergency overload conditions without propagating flame. The requirement for flame retardancy is critical in operating environments where health and safety issues are of primary concern. An accidental explosion or the overheating of conductors or cables should not result in a fire or downtime of a key piece of electrical equipment. The safety of people, goods and facilities depends heavily on the reliability of cables to supply necessary energy, communications and security under any emergency condition whether it be in shipboard, mining, mass transit, power plant systems or applications.

PRODUCT NAME

FCFW

PRODUCT DESCRIPTION

Heavy Wall, Flame Retardant, Heat Shrink Tube, optional liner



APPLICATION

- Suitable for insulating and protecting LV electrical connectors and terminal blocks
- Protects against corrosion from acid fumes in battery cable applications. Also protects against oil, fuel, water, salt, grease and other chemicals
- Identifies cable polarity (Red: positive, Black: negative); cables are easier to route and troubleshoot
- Ideal for jacketing cables where abrasion resistance and electrical protection are required
- Use of fire retardant materials can aid in rescue activities and prevent injury to those involved in fire and evacuation efforts

ADVANTAGE

- Offers maximum flame retardancy
- Protects against chemical corrosion
- Offers colour coding for cable identification
- Offers strain relief between cable and connector
- Offers abrasion resistance - prevents cable and jacket fatigue caused by vibration

MARKET SEGMENT

Electrical: Industrial OEM, Utility, Military and Transportation

OTHER POTENTIAL USERS

- Auto manufacturers
- OEM battery cable manufacturers
- Electric Utilities for cable splice protection

ADDITIONAL ATTRIBUTES

Offered with optional adhesive liner to provide complete environmental sealing and protection from moisture ingress

STANDARDS

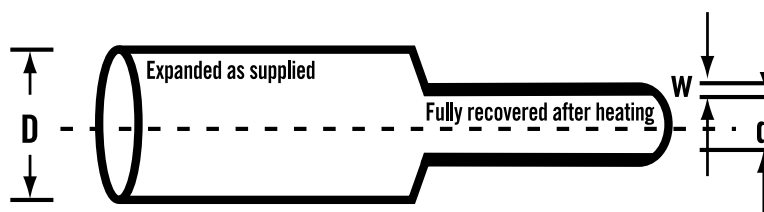
UL 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guides No. 2.4 and 2.5, MIL-DTL-23053/15 Class 1, IEEE 383 Vertical Flame Test, ANSI C37.20.2, ICEA and NEMA Insulation Thickness Requirements

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350**	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500**	13.0	0.51	4.1	0.16	2.4	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	6.1	0.24	2.5	0.09	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	4.1	0.16	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	4.1	0.16	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	4.1	0.16	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	4.1	0.16	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	4.2	0.17	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48

*FCFW 3500 and FCFW 4700 are not UL or CSA listed

**Meets the material performance of MIL spec only



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Red (RD)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 9, 12 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: FCFW, 1500, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.



EYELIT TERMINALS/BATTERY CABLES

ALLOWS COVERAGE OF IRREGULARLY SHOPED CONNECTORS AND COMPONENTS

FCFW, a heavy wall product, is commonly used in the heavy utility trucking industry such as construction and agriculture equipment manufactures.

PRODUCT NAME

FCFW

PRODUCT DESCRIPTION

Adhesive lined, flame retardant heat shrink tube with a high shrink ratio allowing for coverage of irregularly shaped connectors and components.



APPLICATION

- Provides mechanical strain relief to the cable
- Excellent electrical insulation
- Adhesive liner provides environmental seal for corrossions prevention
- Resistant to diesel, gasoline and other harsh chemicals

ADVANTAGE

- Available in black or red to identify cable polarity (Red: +ive, Black: -ive); cables are easier to route and troubleshoot
- Superior peel strength adhesive encapsulates terminal and prevents movement
- Better sealing efficiency ensuring no moisture ingress
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Non-tacky adhesive prevents sticking during cutting to improve cut quality
- Protects against mechanical abuse
- Coordination of the jacket recovery and adhesive flow ensures reliable application and minimizes adhesive flow onto the terminal

MARKET SEGMENT

Automotive, Electrical, Industrial OEM

OTHER POTENTIAL USERS

QuickCable, Noco, Textron, Autokabel

ADDITIONAL ATTRIBUTES

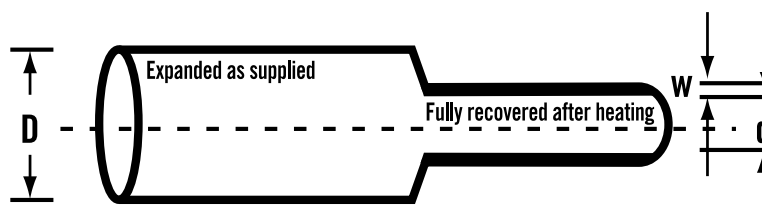
- Cut to length services available
- Colours and printing options for identification

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				APPLICATION RANGE FOR GENERAL USE		600/ 1000 V SINGLE CONDUCTOR SIZE	LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (NOM) W						
	MM	IN	MM	IN	MM	IN	MM	IN	AWG/MCM	M	IN
0350**	8.9	0.35	3.0	0.12	1.8	0.07	3.5 - 8	.15 - .3	#14 - #10	1.2	48
0500**	13.0	0.51	4.1	0.16	2.4	0.08	4.5 - 11	.2 - .45	#8 - #6	1.2	48
0750	19.1	0.75	6.1	0.24	2.5	0.09	6.5 - 16.5	.25 - .65	#6 - #2	1.2	48
1100	27.9	1.10	8.9	0.35	3.0	0.12	10 - 24	.4 - .95	#1 - 3/0	1.2	48
1500	38.1	1.50	11.9	0.47	4.1	0.16	13 - 35	.5 - 1.4	2/0 - 350	1.2	48
2000	50.8	2.00	16.0	0.63	4.1	0.16	17.5 - 44	.7 - 1.75	250 - 500	1.2	48
2700	68.1	2.70	22.1	0.87	4.1	0.16	24 - 59	.95 - 2.3	600 - 1000	1.2	48
3500*	89.9	3.54	30.0	1.18	4.1	0.16	33 - 80	1.3 - 3.1	800 - 1250	1.2	48
4700*	119.9	4.72	39.9	1.57	4.2	0.17	44 - 104	1.75 - 4.1	1500 - 2500	1.2	48

*FCFW 3500 and FCFW 4700 are not UL or CSA listed

**Meets the material performance of MIL spec only



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Colour: Black (BK) or Red (RD)
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 9, 12 or 48 inches
- Please specify the product name, order reference number and options you require.
- Order Example: FCFW, 1500, black, unprinted, unlined, 48 in lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

FCFW QUICKWRAP

INSULATE
SEAL
PROTECT

3:1
SHRINK RATIO



HEAT SHRINK WRAPAROUND SLEEVE

HEAVY WALL, FLAME RETARDANT, HEAT SHRINK WRAPAROUND SLEEVE WITH ADHESIVE FOR COMPLETE ENVIRONMENTAL SEALING WITHOUT THE NEED FOR DISCONNECTION. IDEAL FOR RETROFIT PROTECTION OF EXPOSED CONNECTORS AND THE REPAIR OF DAMAGED CABLE

FEATURES AND BENEFITS

- 3:1 shrink ratio
- Fast and simple installation without interruption of service
- Repair damaged cable jackets
- Suitable for low voltage electrical and mechanical applications
- Proven thermoplastic adhesive ensures an absolutely waterproof seal
- High impact and abrasion resistance
- Flame retardant
- FCFW QuickWrap can be cut to size in field to suit application
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

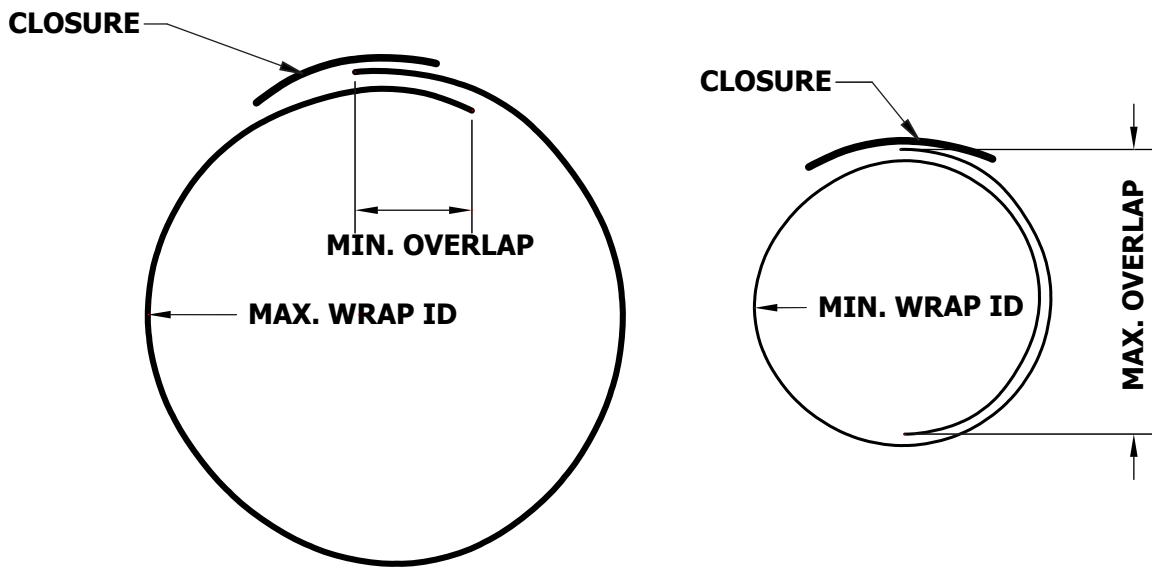
TYPICAL APPLICATIONS

- Connectorized cable repair
- Retrofit protection of connectors
- Cable jacket repairs



DIMENSIONS

ORDER NUMBER	LENGTH		WIDTH		RECOMMENDED OVERLAP				EXPANDED SLEEVE I.D. WITH OVERLAP				APPLICATION RANGE (MIN. - MAX.)		CONDUCTOR SIZE
	IN	MM	IN	MM	IN (MIN.)	MM (MIN.)	IN (MAX.)	MM (MAX.)	IN (MIN.)	MM (MIN.)	IN (MAX.)	MM (MAX.)	IN	MM	AWG/MCM 600/1000 V
1500	12	305	5.7	145	1.13	28.6	2.36	59.8	0.75	19.1	1.14	29.0	0.50 - 1.00	13 - 25	#2/0 - 350
2000	12	305	7.3	185	1.13	28.6	3.14	79.8	1.00	25.4	1.64	41.7	0.70 - 1.50	18 - 38	250 - 500
2700	12	305	9.5	241	1.20	30.5	4.24	107.7	1.35	34.3	2.32	58.9	1.00 - 2.00	25 - 58	600 - 1000



INSTALLATION NOTES

- FCFW QuickWrap is a one size fits all solution that can accommodate all sizes of cable and connectors. QuickWrap sleeves can be cut to length and width in the field to fit the specific application. Simply wrap the sleeve around the cable or connector, ensuring adequate overlap (allow for a minimum of 3 in or 76 mm), and then firmly apply the closure to hold FCFW QuickWrap together during the heat shrinking process. Please refer to the installation instructions included with each FCFW QuickWrap for more detailed information.

ORDERING

- Please specify the product name plus the options you require
- Order Example: FCFW QuickWrap 1500, 12 in length

Please contact your Customer Service Representative for information on custom sizes, lengths and material data sheet.

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.



ADHESIVE LINED HEAT SHRINK WRAPAROUND SLEEVE DESIGNED FOR REPAIR OF DETERIORATED SPLICES

PROBLEM: Customers in the Utility sector were looking for a new and improved solution for eliminating service interruptions when repairing damaged cable jackets or retrofit protection of exposed connectors on secondary service cables.

SOLUTION: FCFW QuickWrap was presented as an adhesive lined, flame retardant wraparound heat shrink sleeve that can be easily applied without the need for disconnection. The heavy wall FCFW QuickWrap provides superior environmental sealing, rugged mechanical protection and high performance electrical insulation.

PRODUCT NAME

FCFW QuickWrap

PRODUCT DESCRIPTION

Heavy wall, flame retardant heat shrink wrap-around sleeve with hot-melt adhesive lining for complete environmental sealing without the need for power disconnection

APPLICATION

- Connectorized cable repair
- Water resistance and encapsulation
- Repair of damaged cable jackets
- Retrofit protection of connections
- Used in confined spaces underground and ideal for protection of defrayed cable/connectors
- Cable/conduit transitions
- Cable/wire/rope bundles

MARKET SEGMENT

Communications, Electrical, Utility, Industrial, Shipboard

OTHER POTENTIAL USES

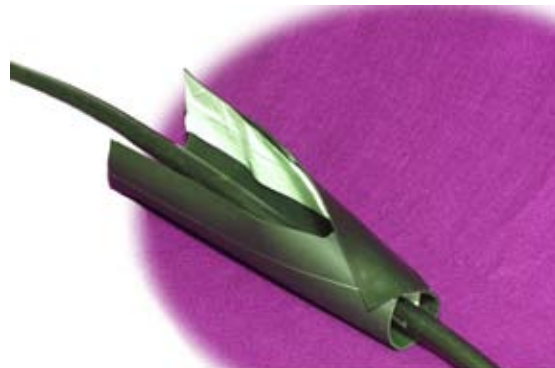
- Wire and Cable
- Offshore
- Oil and Gas
- Marine

ADVANTAGE

- Operators can reduce total labour and installed costs by 80% while avoiding performance critical service disruptions
- Eliminates system downtime when choosing not to disconnect and re-apply insulating tubes
- Industry leading adhesive performance ensures an absolutely waterproof seal
- Thick coating of hot-melt adhesive encapsulates entire splice to prevent moisture ingress and risk of connector and conductor corrosion and eventual failure
- Significant protection advantages over insulating tape
- Unbeatable combination of DSG-Canusa's split resistant medium and heavy wall materials, superior adhesive performance and innovative closure mechanism

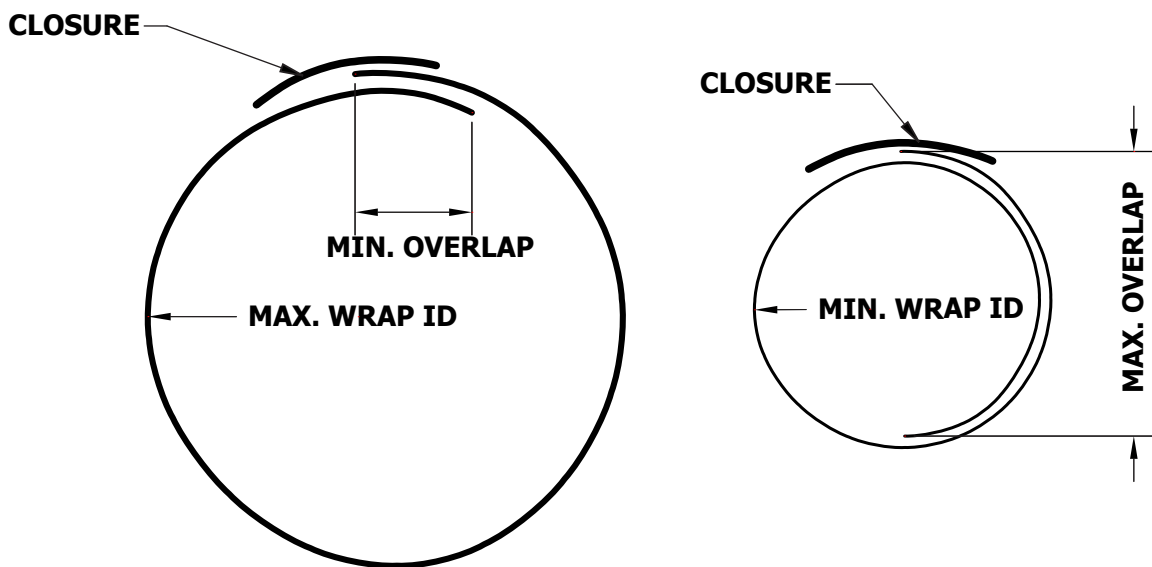
ADDITIONAL ATTRIBUTES

- Sleeve can be cut to size in field to suit application
- Can also be offered in optional medium and heavy wall versions: CFM QuickWrap, CFW QuickWrap



DIMENSIONS

ORDER NUMBER	LENGTH		WIDTH		RECOMMENDED OVERLAP				EXPANDED SLEEVE I.D. WITH OVERLAP				APPLICATION RANGE (MIN. - MAX.)		CONDUCTOR SIZE
	IN	MM	IN	MM	IN (MIN.)	MM (MIN.)	IN (MAX.)	MM (MAX.)	IN (MIN.)	MM (MIN.)	IN (MAX.)	MM (MAX.)	IN	MM	AWG/MCM 600/1000 V
1500	12	305	5.7	145	1.13	28.6	2.36	59.8	0.75	19.1	1.14	29.0	0.50 - 1.00	13 - 25	#2/0 - 350
2000	12	305	7.3	185	1.13	28.6	3.14	79.8	1.00	25.4	1.64	41.7	0.70 - 1.50	18 - 38	250 - 500
2700	12	305	9.5	241	1.20	30.5	4.24	107.7	1.35	34.3	2.32	58.9	1.00 - 2.00	25 - 58	600 - 1000



INSTALLATION NOTES

- FCFW QuickWrap is a one size fits all solution that can accommodate all sizes of cable and connectors. QuickWrap sleeves can be cut to length and width in the field to fit the specific application. Simply wrap the sleeve around the cable or connector, ensuring adequate overlap (allow for a minimum of 3 in or 76 mm), and then firmly apply the closure to hold FCFW QuickWrap together during the heat shrinking process. Please refer to the installation instructions included with each FCFW QuickWrap for more detailed information.

ORDERING

- Please specify the product name plus the options you require
- Order Example: FCFW QuickWrap 1500, 12 in length

Please contact your Customer Service Representative for information on custom sizes, lengths and material data sheet.

CFHR

INSULATE
SEAL
PROTECT

6:1
SHRINK RATIO



HEAVY WALL, HIGH RATIO CROSS-LINKED POLYOLEFIN TUBING

HIGH RATIO HEAT SHRINK TUBING ACCOMMODATES EXTREME DIFFERENCES BETWEEN CABLES, CONNECTORS AND BACKSHELLS

FEATURES AND BENEFITS

- Up to 6:1 shrink ratio
- Accommodates a wide variety of connector shapes and configurations
- Available in semi-rigid or flexible material
- Optional thermoplastic adhesive liner for complete environmental protection and insulation
- Available in 25 ft reels
- Flame retardant
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C

STANDARDS

- Meets material properties of SAE- AMS- DTL 23053/15
- Meets UL-4-V-O flame rating

TYPICAL APPLICATIONS

- Wire harnesses
- Abrasion and impact resistance
- Strain relief and protection of cables and connectors



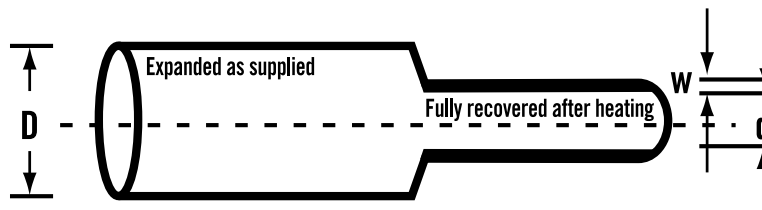
CFHR DIMENSIONS - SEMI-RIGID, FLAME RETARDANT MATERIAL

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (MIN) W			
	MM	IN	MM	IN	MM	IN	M	IN
0750	19.0	0.75	3.2	0.125	3.2	0.123	1.2	48
1300*	33.0	1.30	5.5	0.220	3.4	0.135	1.2	48
1750	44.4	1.75	7.4	0.290	3.6	0.140	1.2	48
2000	50.8	2.00	8.3	0.330	4.3	0.170	1.2	48
2750	69.8	2.75	11.7	0.460	4.8	0.190	1.2	48
3500	88.9	3.50	17.1	0.673	4.3	0.170	1.2	48
4700	119.4	4.70	22.9	0.900	4.8	0.190	1.2	48

*stock material is non-flame retardant and does not meet MIL spec.; flame retardant material is available and can be ordered as CFHR-FR 1300

CFHR-FR DIMENSIONS - FLEXIBLE, FLAME RETARDANT MATERIAL

1250	31.8	1.25	5.6	0.220	1.5	0.060	1.2	48
1750	44.4	1.75	8.0	0.315	2.4	0.095	1.2	48
2500	63.5	2.50	12.7	0.500	3.0	0.120	1.2	48
3000	76.2	3.20	19.1	0.750	3.6	0.140	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12 or 48 inches, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require.
- Order Example: CFHR, 0750, black, unprinted, unlined, 25 ft lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

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HIGH RATIO 6:1 HEAT SHRINKABLE TUBING

ACCOMMODATES EXTREME DIFFERENCES BETWEEN CABLES, CONNECTORS AND BACKSHELLS

CFHR is an ideal solution for dealing with different diameter connectors, piping and components because of its ability to shrink to 1/6th of its size. Installation is easy for diameter sizes of up to 4.7 inches. Slide the tube over the various sized objects and shrink, easily covering size extremes.

CFHR is very cost effective, reducing the number of steps required for installation. Rather than using multiple low shrink ratio tubes (3:1) as fillers, installers can reduce their labour and material costs by using just one piece of the CFHR tube over the different configurations.

An optional feature with adhesive lining gives added protection and excellent seal to the joint.



PRODUCT NAME

CFHR

PRODUCT DESCRIPTION

High ratio heat shrinkable tubing

ADVANTAGE

- High shrink ratio of 6:1 allows the tube to follow the contour of the shape.
- Reduces the number of stock items in inventory.
- Provides excellent mechanical protection for cable joints.
- Provides complete environmental protection and is resistant to impact and abrasion.
- A thermoplastic adhesive lining provides a watertight seal.
- Available in 4 ft sticks, cut pieces or 25 ft spools (unlined only)
- Exceeds the material requirements of SAE- AMS-DTL-23053/15
- Flame retardant

ADDITIONAL ATTRIBUTES

- CFHR has superior adhesive bonding characteristics. The adhesive is applied at the last step in the manufacturing process without radiation from electron beams thus retaining all original bonding properties.

MARKET SEGMENT

Military, Electrical, Industrial, OEM and Transportation

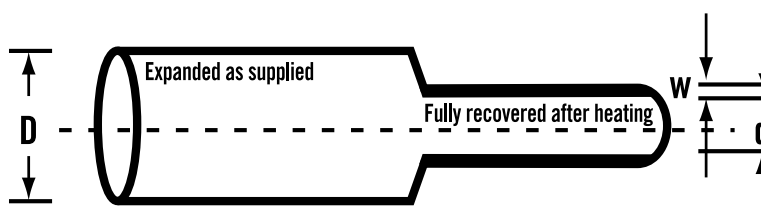
CFHR DIMENSIONS - SEMI-RIGID, FLAME RETARDANT MATERIAL

ORDER NUMBER	EXPANDED		RECOVERED				LENGTHS	
	INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) d		WALL THICKNESS (MIN) W			
	MM	IN	MM	IN	MM	IN	M	IN
0750	19.0	0.75	3.2	0.125	3.2	0.123	1.2	48
1300*	33.0	1.30	5.5	0.220	3.4	0.135	1.2	48
1750	44.4	1.75	7.4	0.290	3.6	0.140	1.2	48
2000	50.8	2.00	8.3	0.330	4.3	0.170	1.2	48
2750	69.8	2.75	11.7	0.460	4.8	0.190	1.2	48
3500	88.9	3.50	17.1	0.673	4.3	0.170	1.2	48
4700	119.4	4.70	22.9	0.900	4.8	0.190	1.2	48

*stock material is non-flame retardant and does not meet MIL spec.; flame retardant material is available and can be ordered as CFHR-FR 1300

CFHR-FR DIMENSIONS - FLEXIBLE, FLAME RETARDANT MATERIAL

1250	31.8	1.25	5.6	0.220	1.5	0.060	1.2	48
1750	44.4	1.75	8.0	0.315	2.4	0.095	1.2	48
2500	63.5	2.50	12.7	0.500	3.0	0.120	1.2	48
3000	76.2	3.20	19.1	0.750	3.6	0.140	1.2	48



ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.
- Select Options:
 - Printing: Printed or Unprinted
 - Adhesive Lining: Lined (D) or Unlined (U)
 - Lengths: 6, 12 or 48 inches, or 25 ft spools (unlined only)
- Please specify the product name, order reference number and options you require.
- Order Example: CFHR, 0750, black, unprinted, unlined, 25 ft lengths

Please contact your Customer Service Representative for information on custom colours, sizes, lengths and material data sheet.

CTB-15

INSULATE
SEAL
PROTECT

SELF FUSING TAPE

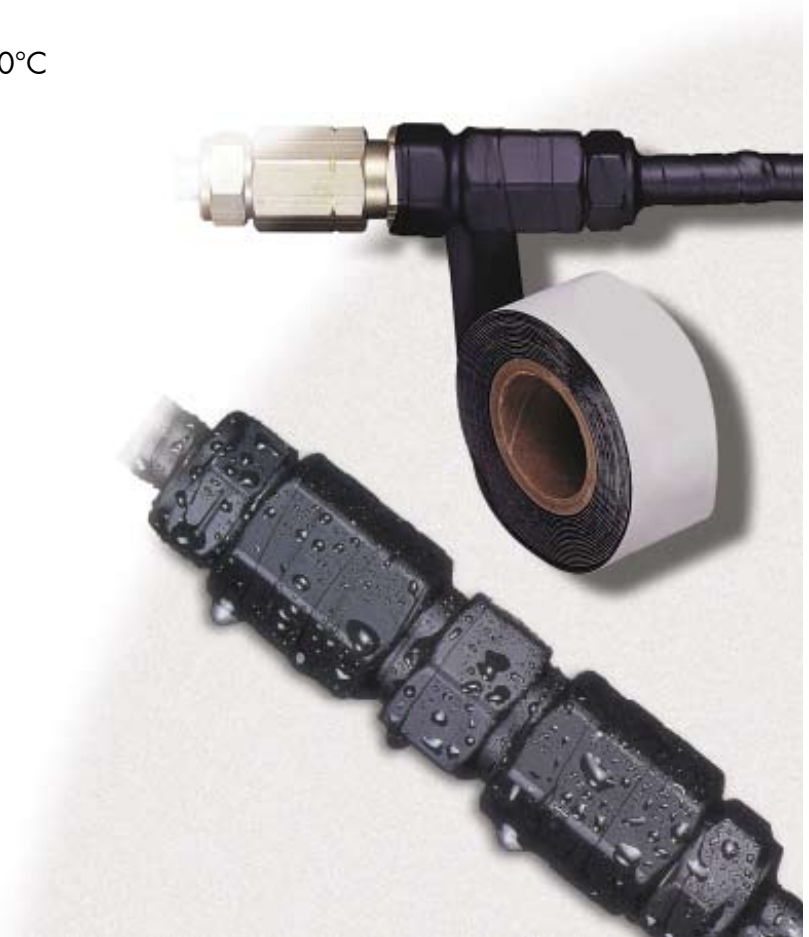
EPR BASED SELF FUSING TAPE DESIGNED FOR THE COMMUNICATIONS INDUSTRY

FEATURES AND BENEFITS

- Provides protection where heat/flame is prohibited
- Covers any shape including high transition areas and elbows
- Clean strippable
- Layers fuse together to form a boot that provides complete environmental protection and insulation
- UV and ozone resistant
- Proven long term protection
- Continuous operating temperature: -40°C to 90°C

TYPICAL APPLICATIONS

- Environmental protection of connectors in tight locations or when torch is not permitted
- Protect connectors in Cable TV, Wireless and Telecom applications



DIMENSIONS

ORDER NUMBER	WIDTH		THICKNESS		ROLL LENGTH	
	MM	IN	MM	IN	M	FT
CTB-15	38.1	1.5	0.76	0.03	4.57	15

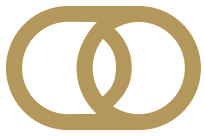
APPLICATION INSTRUCTIONS

- The surface of cable and connector should be clean.
- Start the tape on cable approximately two inches from connector.
- Make sure the tape is stretched during application.
- While stretching the tape, make one wrap on cable ensuring the tape is wrapped onto itself as it will only adhere to itself. Continue wrapping the cable and connector using half overlap layers.
- To terminate, wrap the tape onto itself and place your thumb at the termination point and stretch the tape until it breaks.
- Two layers are recommended
- The loose end of the termination should be thumbed down.

ORDERING

- Please specify the product name plus the options you require.
- Order Example: CTB-15

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.



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