

Mining



	Page	Thermo-plastic	Rubber	MSHA	Temp. Range	Static Dissipating Tube
Brigade Mine	149	Yes		Yes	-10°F to 150°F (-23°C to 66°C)	
Flextra Rock Dust	150		Yes	Yes	-25°F to 200°F (-32°C to 93°C)	Yes
M&P Mine Conduit	151		Yes	Yes	-20°F to 200°F (-29°C to 93°C)	
Mine Spray	148		Yes	Yes	0°F to 212°F (-18°C to 100°C)	
Plicord Ammonium Nitrate HD	153		Yes		-25°F to 200°F (-32°C to 93°C)	Yes
Plicord Ammonium Nitrate Pellet	152		Yes		-25°F to 200°F (-32°C to 93°C)	Yes
Plicord Mine Conduit	154		Yes	Yes	-40°F to 200°F (-40°C to 93°C)	
Spiraflex Cable Guard	155	Yes		Yes	0°F to 150°F (-18°C to 66°C)	
Spiraflex Red	243	Yes		Yes	-10°F to 150°F (-23°C to 66°C)	
Spiraflex Rock Dust	156	Yes		Yes	0°F to 158°F (-18°C to 70°C)	
Spiraflex Yellow	244	Yes		Yes	-10°F to 150°F (-23°C to 66°C)	
Steel Air	28			Yes	-40°F to 200°F (-40°C to 93°C)	
Super Ortac	29			Yes	-20°F to 212°F (-29°C to 100°C)	

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Mine Spray



Product Specifications

Application

For general underground water spray service in dust control applications. It is also used on continuous mining machinery at the headface and on other mechanical mining machines.

Construction Tube

Nitrile synthetic rubber RMA Class B (Medium Oil Resistance)

Cover

Yellow Chemivic™ synthetic rubber RMA Class B (Medium Oil Resistance) (Meets flame test requirements of MSHA Schedule 26-Section 18.65), smooth finish

Reinforcement

Braided (1) steel wire

Temperature Range

0°F to 212°F (-18°C to 100°C)

Packaging

3/4" - 500' reels or 50' cut lengths, 20 pieces per carton

1" - 500' reels or 50' cut lengths, 12 pieces per carton

1¼" - 500' reels or 50' cut lengths, 8 pieces per carton

1½" - 300' reels or 50' cut lengths, 6 pieces per carton

2" - 50' cut lengths, 4 pieces per carton

Branding

Example: Continental ContiTech 1" Mine Spray 1000 psi WP, Fire-Resistant, USMSHA 2G-IC-14C/38. Made in U.S.A.

Couplings

See Continental ContiTech Hose Assembly Manual for most current crimp solutions.

Order Codes

539-421

Mine Spray

SAP #	ID		Nom. OD		Max. WP		Weight	
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20024121	3/4	19.1	1.14	29.0	1000	6.9	0.44	0.65
20024129	1	25.4	1.45	36.8	1000	6.9	0.63	0.94
20024138	1¼	31.8	1.75	44.5	1000	6.9	0.86	1.28
20024143	1½	38.1	1.98	50.3	1000	6.9	1.08	1.61
20024154	2	50.8	2.55	64.8	1000	6.9	1.57	2.34

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Brigade™ Mine



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Product Specifications

Application

For use as a mine fire protection hose in underground mines.

Construction Tube

Black fire-resistant Pliovic®

Cover

Orange fire-resistant Pliovic®

Reinforcement

Spiral synthetic yarn

Temperature Range

-10°F to 150°F (-23°C to 66°C)

Packaging

1½" - 500' continuous one piece, coiled and banded

2" - 400' continuous one piece, coiled and banded

2½" - 300' continuous one piece, coiled and banded

Branding (Spiral)

Example: Continental ContiTech Brigade™ Mine Flame-Resistant, USMSHA No. 2G14, 2" (52.6mm) 150 psi (1.03 MPa). Made in U.S.A.

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

537-506 (150 psi)

537-508 (200 psi)

Brigade™ Mine

SAP #	ID		Nom. OD		Max. WP		Weight	
	Orange	in.	mm	in.	mm	psi	MPa	lb./ft.
20012419	1½	38.1	1.75	44.5	150	1.03	0.23	0.34
20012427	2	50.8	2.27	57.7	150	1.03	0.34	0.51
20012429	2½	63.5	2.83	71.9	150	1.03	0.51	0.76
20012456	1½	38.1	1.72	43.7	200	1.38	0.25	0.37
20012461	2	50.8	2.29	58.2	200	1.38	0.36	0.54
20012463	2½	63.5	2.68	68.1	200	1.38	0.51	0.76

Flextra® Rock Dust



Product Specifications

Application

For handling rock dust operations in underground mines.

Construction Tube

Black ChemiTuf® synthetic rubber (static dissipating/static conductive)

Cover

Yellow Chemivic™ synthetic rubber, flame-resistant (MSHA) (wrapped impression)

Reinforcement

Spiral-plied synthetic fabric with wire helix

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

50' lengths, coiled and polywrapped

Branding (Spiral)

Example: Continental ContiTech Rock Dust Flame-Resistant MSHA IC 11/7

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure. Soft-cuffed ends available upon special request.

Order Codes

549-668

Flextra® Rock Dust

SAP #	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20020003	1¼	31.8	1.59	40.5	100	0.69	6	152	29	737	0.48	0.72
20020005	1½	38.1	1.85	46.9	100	0.69	6	152	29	737	0.60	0.89
20020009	2	50.8	2.37	60.3	100	0.69	8	203	29	737	0.80	1.19
20020011	2½	63.5	2.89	73.3	100	0.69	10	254	29	737	1.06	1.58
20020012	3	76.2	3.35	85.1	50	0.34	12	305	29	737	1.20	1.79
20020013	4	101.6	4.41	111.9	50	0.34	16	406	29	737	1.71	2.55

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M&P Mine Conduit



Product Specifications

Application

A fabric-reinforced conduit hose for use as an electrical cable cover in underground mine service.

Branding

Example: 3/4" (19.1mm) Mine Conduit. Made in U.S.A. Continental ContiTech. US MSHA #2G-14-7X

Construction Tube

Black flame-resistant synthetic

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Cover

Black flame-resistant synthetic (smooth cover)

Order Codes

569-045

Reinforcement

Spiral synthetic yarn

Temperature Range

-20°F to 200°F (-29°C to 93°C)

Packaging

Stocked in 50' pieces per box

M&P Mine Conduit

SAP #	ID		Nom. OD		Weight	
	in.	mm	in.	mm	lb./ft.	kg/m
20026402	1/2	12.7	0.94	23.9	0.29	0.43
20026405	5/8	15.9	1.06	26.9	0.35	0.52
20026409	3/4	19.1	1.19	30.2	0.39	0.58
20026412	7/8	22.2	1.32	33.5	0.45	0.67
20026415	1	25.4	1.43	36.3	0.46	0.68
20026417	1 1/8	28.6	1.56	39.6	0.60	0.89
20026419	1 1/4	31.8	1.69	42.9	0.62	0.92
20026421	1 3/8	34.9	1.82	46.2	0.71	1.06
20026423	1 1/2	38.1	1.95	49.5	0.75	1.12

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Plicord® Ammonium Nitrate Pellet



Product Specifications

Application

For pellet transfer in blasting hole loading.

Construction Tube

Black Nitrile synthetic rubber (static dissipating/
static conductive)

Cover

Black Nitrile synthetic rubber (static dissipating/
static conductive)

Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

100' lengths, coiled and polywrapped

Branding (Spiral)

Example: Continental ContiTech Ammonium Nitrate Pellet
100 psi

Couplings

Contact fitting manufacturer for proper fitting
recommendation and coupling procedure.

Order Codes

549-232

Plicord® Ammonium Nitrate Pellet

SAP #	ID		Nom. OD		Max. WP		Weight	
	in.	mm	in.	mm	psi	MPa	lb./ft.	kg/m
20019417	3/4	19.1	1.17	29.7	100	0.69	0.33	0.49
20019420	1	25.4	1.42	36.1	100	0.69	0.34	0.51
20019422	1½	38.1	1.92	48.8	100	0.69	0.59	0.88
20105656	2	50.8	2.49	63.3	100	0.69	0.76	1.13
20133606	2½	63.5	2.94	74.7	100	0.69	0.90	1.34
20032691	3	76.2	3.42	86.9	100	0.69	1.10	1.64

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Plicord® Ammonium Nitrate HD



Product Specifications

Application

A heavy duty hose for pellet transfer in blasting hole loading. Capable of handling -25°F to 200°F (-32°C to 93°C).

Construction Tube

Black Nitrile synthetic rubber (static dissipating/ static conductive)

Cover

Black Nitrile synthetic rubber (static dissipating/ static conductive) (wrapped impression)

Recommended Fittings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure

Reinforcement

Spiral-plied synthetic fabric recommendation and coupling procedure

Temperature Range

-25°F to 200°F (-32°C to 93°C)

Packaging

Coiled and polywrapped

Branding

Continuous spiral brand *HD Ammonium nitrate pellet 400 psi map WP Continental ContiTech Made in Canada.

Non-Stock/Sizes

Maximum shipping length 400'

Order Codes

549-231-0

Plicord® Ammonium Nitrate HD

SAP #	DIA	ID	OD	Weight
Black	PO	mm	mm	lb./ft
20019420	1	25.4	40.6	0.739
20019422	1½	38.1	53.3	0.806
20115495	1¾	44.5	66.3	1.344
20118678	2	50.8	72.0	1.613
20135894	2½	63.5	82.7	1.814
20032691	3	76.2	94.2	1.814

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Plicord® Mine Conduit



Product Specifications

Application

A fabric-reinforced hose for use as an electrical cable cover in underground mines. Meets MSHA standards for flame-resistant cover.

Construction Tube

Black Wingprene® synthetic rubber

Cover

Black Wingprene® synthetic rubber, flame-resistant (wrapped impression)

Reinforcement

Spiral-plied synthetic fabric

Temperature Range

-40°F to 200°F (-40°C to 93°C)

Packaging

50' lengths, coiled and polywrapped

Branding (Spiral)

Example: Continental ContiTech Mine Conduit Hose, Flame-Resistant, USMSHA, #2G-14/15

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Order Codes

549-039 (black cover)
549-035 (yellow cover)

Plicord® Mine Conduit

SAP #		ID		Nom. OD		Weight	
Black	Yellow	in.	mm	in.	mm	lb./ft.	kg/m
20019080	20019068	1/2	12.7	0.94	23.9	0.30	0.45
20019082	20019070	5/8	15.9	1.06	26.9	0.35	0.52
20019084	20019071	3/4	19.1	1.18	30.0	0.40	0.60
20019087	20019072	7/8	22.2	1.30	33.0	0.45	0.67
20019089	20019073	1	25.4	1.43	36.3	0.50	0.74
20019091	20019075	1 1/8	28.6	1.58	40.1	0.56	0.83
20019093	20045963	1 1/4	31.8	1.69	42.9	0.61	0.91
20019095	20031917	1 3/8	34.9	1.81	46.0	0.66	0.98
20019096	20029879	1 1/2	38.1	1.93	49.0	0.71	1.06
20019099	20031918	1 3/4	44.5	2.21	56.1	0.82	1.22
20019102	20019076	2	50.8	2.42	61.5	0.87	1.29
20019107		2 1/4	57.2	2.67	67.9	0.97	1.43
20019108		2 3/8	60.3	2.80	71.0	1.02	1.52
20019109	20029631	2 1/2	63.5	2.92	74.2	1.06	1.58
20019112		3	76.2	3.41	86.5	1.26	1.86
20019115		4	101.6	4.44	112.7	1.66	2.45

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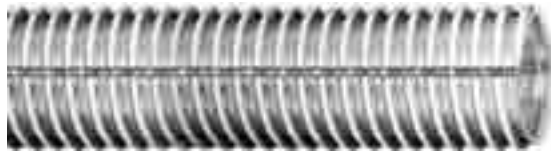
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SpiraFlex® Cable Guard



Product Specifications

Application

For use as a protective cover for supply lines. Flame-resistant MSHA approved.

Branding

Example: Cable Guard, USMSHA IC-11/12. Made in U.S.A. Continental ContiTech

Construction Tube

Clear Pliovic® corrugated for flexibility, MSHA

Order Codes

586-438

Helix

Clear Pliovic® corrugated for flexibility, MSHA

Temperature Range

0°F to 150°F (-18°C to 66°C)

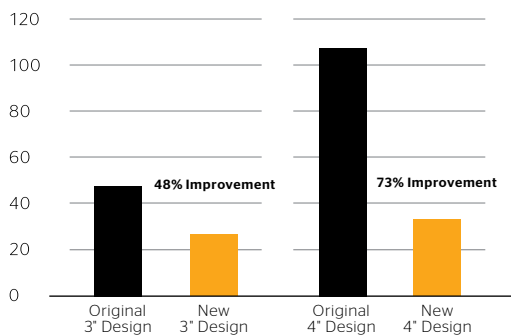
Packaging

Continuous one piece, coiled and polywrapped, available in 50' or 100' lengths, available preslit longitudinally for easy installation.

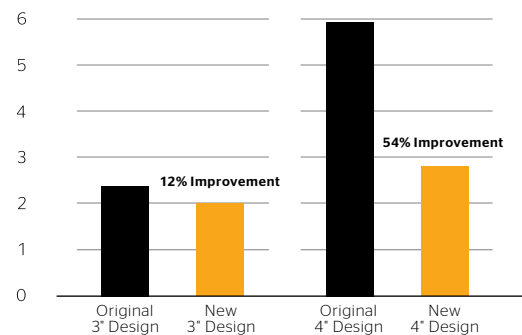
SpiraFlex® Cable Guard

SAP #	ID		Nom. OD		Bend Radius		Weight	
	in.	mm	in.	mm	in.	mm	lb./ft.	kg/m
20013419	2	50.8	2.28	57.9	3	76	0.34	0.51
20013425	3	76.2	3.37	85.6	6	152	0.52	0.77
20013431	4	101.6	4.44	112.8	9	229	0.75	1.12

Force-to-Bend (lbs.)



Force-to-Open (lbs.)



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SpiraFlex® Rock Dust



Product Specifications

Application

Rock Dust hose is a lightweight, flexible alternative to the rubber hose for handling rock dusting in underground coal mines.

Construction Tube

Green Pliovic®, meets MSHA standards USMSHA

Cover

Green Pliovic®, meets MSHA standards USMSHA

Reinforcement

Rigid white Pliovic® PVC helix

Temperature Range

0°F to 158°F (-18°C to 70°C)

Packaging

100' lengths, coiled and polywrapped

Branding

Example: Rock Dust USMSHA 2G-1C-14C/17. Made in U.S.A.
Continental ContiTech

Couplings

Contact fitting manufacturer for proper fitting recommendation and coupling procedure.

Non-Stock/Sizes

Static wire available, contact Customer Service.

Order Codes

586-426 (corrugated cover)

586-427 (smooth cover with static wire, not available in 4")

SpiraFlex® Rock Dust

SAP #	Green	Smooth cover w/ static wire	ID		Nom. OD		Max. WP		Bend Radius		Vacuum HG		Weight	
			in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20013351	20766499		1½	38.1	1.75	44.5	44	0.30	4	97	29	737	0.28	0.42
20013354	20013361		2	50.8	2.35	59.7	30	0.21	6	140	29	737	0.61	0.91
20013356	20013363		2½	63.5	2.87	72.9	30	0.21	7	178	29	737	0.61	0.91
20013358	20013365		3	76.2	3.40	86.4	30	0.21	8	203	29	737	0.77	1.15
20013359	20645908		4	101.6	4.45	113.0	27	0.19	14	356	15	381	0.95	1.41

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