



## Hot Oiler 2-Wire Braid Hose

High Pressure

**Recommended For:** Static pressure, hot oiler applications. Designed specifically to handle the transfer of hot oil at 275°F continuous, 300°F intermittent to clear the paraffin around the casing to help start the flow of oil to the surface.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Hypalon® - Type M).

**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Field Attachable 'Type T' Couplings
- Permanent GSP Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sub>R</sub>	Packaging	Standard Pack
24HOXCTN	4657-0063	1 1/2	2.15	2,300	6,900	20.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

## M-XP Million Impulse Xtra Performance Wire Braid Hose

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure, high impulse life hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sub>R</sub>	Packaging	Standard Pack
4M-XPXREEL	4657-4216	1/4	0.51	4,000	1,600	2.0	E	440
6M-XPXREEL	4657-4217	3/8	0.61	4,000	1,600	2.5	E	330
8M-XPXREEL	4657-4218	1/2	0.82	4,000	1,600	3.5	F	220
10M-XPXREEL	4657-4219	5/8	0.96	4,000	1,600	4.0	F	220
12M-XPXREEL	4657-4220	3/4	1.17	4,000	1,600	4.8	F	220





(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⌀	Ø	⊙	⊙	⊙	Packaging	Standard Pack
4M6KXREEL	4657-2697	1/4	0.58	6,000	24,000	2.0	E	440

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⌀	Ø	⊙	⊙	⊙	Packaging	Standard Pack
4M5KXREEL	4657-1100	1/4	0.54	5,000	20,000	2.0	E	440
5M5KXREEL	4657-8006	5/16	0.61	5,000	20,000	2.2	E	350
6M5KXREEL	4657-2695	3/8	0.69	5,000	20,000	2.5	E	330
8M5KXREEL	4657-2650	1/2	0.86	5,000	20,000	3.5	F	220





## Global M5K Mega5000™ Hose—MegaTuff® Cover High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M5KMTFXREEL	4657-8011	1/4	0.54	5,000	20,000	2.0	E	440
5M5KMTFXREEL	4657-8012	5/16	0.61	5,000	20,000	2.2	E	350
6M5KMTFXREEL	4657-8013	3/8	0.69	5,000	20,000	2.5	E	330
8M5KMTFXREEL	4657-8014	1/2	0.86	5,000	20,000	3.5	F	220

## Global M5K Mega5000™ Hose—XtraTuff™ Cover High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M5KXTFXREEL	4657-8007	1/4	0.54	5,000	20,000	2.0	E	440
5M5KXTFXREEL	4657-8008	5/16	0.61	5,000	20,000	2.2	E	375
6M5KXTFXREEL	4657-8009	3/8	0.69	5,000	20,000	2.5	E	330
8M5KXTFXREEL	4657-8010	1/2	0.86	5,000	20,000	3.5	F	220



(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff or XtraTuff cover. See Hose Stock Characteristics.

**Temperature Range:** -40 F to +212 F (-40 C to +100 C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GlobalSpiral Couplings (available for 3/4")
- MegaCrimp Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M4K+ XBALE	4657-5779	1/4	0.54	4,000	16,000	2.0	R	5600
4M4K+ XREEL	4657-1467	1/4	0.54	4,000	16,000	2.0	E	440
5M4K+ XREEL	4657-8015	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+ XBALE	4657-5775	3/8	0.69	4,000	16,000	2.5	R	3800
6M4K+ XREEL	4657-1458	3/8	0.69	4,000	16,000	2.5	E	330
8M4K+ XBALE	4657-5776	1/2	0.86	4,000	16,000	3.5	R	2200
8M4K+ XREEL	4657-1459	1/2	0.86	4,000	16,000	3.5	F	220
10M4K+ XBALE	4657-5777	5/8	0.98	4,000	16,000	4.0	R	2000
10M4K+ XREEL	4657-1460	5/8	0.98	4,000	16,000	4.0	R	220
12M4K+ XBALE	4657-5778	3/4	1.14	4,000	16,000	4.8	R	1500
12M4K+ XREEL	4657-1461	3/4	1.14	4,000	16,000	4.8	F	220
16M4KXREEL	4657-4051	1	1.52	4,000	16,000	6.0	F	165

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff or XtraTuff cover. See Hose Stock Characteristics.

**Temperature Range:** -40 F to +212 F (-40 C to +100 C). For water emulsions see Temperature Limits Table.

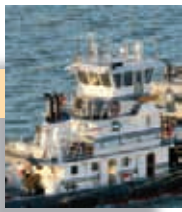
**Coupling Recommendation (See Crimp Data Manual 35019):**

- GlobalSpiral Couplings (available for 3/4")
- MegaCrimp Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M4K+-MTF XREEL	4657-1477	1/4	0.54	4,000	16,000	2.0	E	350
5M4K+-MTF XREEL	4657-8017	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+-MTF XREEL	4657-1479	3/8	0.69	4,000	16,000	2.5	F	330
8M4K+-MTF XREEL	4657-1480	1/2	0.86	4,000	16,000	3.5	F	220
8M4K+-MTFXBALE	4657-5016	1/2	0.86	4,000	16,000	3.5	R	3200
10M4K+-MTF XREEL	4657-1481	5/8	0.98	4,000	16,000	4.0	F	220
12M4K+-MTF XREEL	4657-1482	3/4	1.14	4,000	16,000	4.8	F	190
16M4KPLUS-MTFXREEL	4657-4053	1	1.52	4,000	16,000	6.0	F	165





## Global M4K+ Mega4000™ Hose— XtraTuff™ Cover

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing. The plus symbol indicates development testing at 150% of maximum working pressure up to 600,000 impulse cycles.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available for 3/4")  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
4M4K+-XTFXREEL	4657-2281	1/4	0.54	4,000	16,000	2.0	E	440
5M4K+-XTFXREEL	4657-8016	5/16	0.61	4,000	16,000	2.3	E	350
6M4K+-XTFXREEL	4657-2283	3/8	0.69	4,000	16,000	2.5	E	330
8M4K+-XTFXREEL	4657-2284	1/2	0.82	4,000	16,000	3.5	F	220
10M4K+-XTFXREEL	4657-2285	5/8	0.98	4,000	16,000	4.0	F	220
12M4K+-XTFXREEL	4657-2286	3/4	1.14	4,000	16,000	4.8	F	220
16M4KPLUS-XTFXREEL	4657-4052	1	1.52	4,000	16,000	6.0	F	165

## M4KH Wire Braid Hose—High-Temp— SAE 100R19

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, thin synthetic rubber (Neoprene - CR). Flame resistance - MSHA 2G.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available for 3/4")  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
4M4KHREEL	4657-2381	1/4	0.54	4,000	16,000	2.0	E	440
6M4KHREEL	4657-2383	3/8	0.69	4,000	16,000	2.5	E	330
8M4KHREEL	4657-2384	1/2	0.82	4,000	16,000	3.5	F	220
10M4KHREEL	4657-2385	5/8	0.98	4,000	16,000	4.0	F	220
12M4KHREEL	4657-2386	3/4	1.16	4,000	16,000	4.8	F	220



High Pressure

## M4KH Wire Braid Hose—High-Temp—MegaTuff® Cover



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds SAE 100R19.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, thin synthetic rubber (Neoprene - CR). Flame resistance - MSHA 2G.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available for 3/4”)

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
4M4KH-MTFXREEL	4657-2157	1/4	0.54	4,000	16,000	2.0	E	440
6M4KH-MTFXREEL	4657-2159	3/8	0.69	4,000	16,000	2.5	E	330
8M4KH-MTFXREEL	4657-2160	1/2	0.82	4,000	16,000	3.5	F	220
10M4KH-MTFXREEL	4657-2161	5/8	0.98	4,000	16,000	4.0	F	220
12M4KH-MTFXREEL	4657-2396	3/4	1.16	4,000	16,000	4.8	F	190

High Pressure

## Global M3K Mega3000® Hose—SAE 100R17

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available 3/4” and 1”)

MegaCrimp® Couplings

Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
3M3KXREEL	4657-8068	3/16	0.42	3,000	12,000	1.8	E	440
4M3KXBALE	4657-5743	1/4	0.47	3,000	12,000	2.0	R	7000
4M3KXLG REEL	4657-1176	1/4	0.47	3,000	12,000	2.0	D	1400
4M3KXREEL	4657-1157	1/4	0.47	3,000	12,000	2.0	N	440
5M3KXREEL	4657-2216	5/16	0.59	3,000	12,000	2.2	N	385
6M3KXBALE	4657-5744	3/8	0.62	3,000	12,000	2.5	R	4500
6M3KXLG REEL	4657-1177	3/8	0.62	3,000	12,000	2.5	D	1000
6M3KXREEL	4657-1158	3/8	0.62	3,000	12,000	2.5	N	330
8M3KXBALE	4657-5745	1/2	0.78	3,000	12,000	3.5	R	2800
8M3KXLG REEL	4657-1178	1/2	0.78	3,000	12,000	3.5	D	1000
8M3KXREEL	4657-1159	1/2	0.78	3,000	12,000	3.5	N	220
10M3KXBALE	4657-5746	5/8	0.98	3,000	12,000	4.0	R	1800
10M3KXLG REEL	4657-0233	5/8	0.98	3,000	12,000	4.0	D	1000
10M3KXREEL	4657-1173	5/8	0.98	3,000	12,000	4.0	F	220
12M3KXBALE	4657-5747	3/4	1.14	3,000	12,000	4.8	R	1250
12M3KXREEL	4657-0679	3/4	1.14	3,000	12,000	4.8	F	220
16M3KXBALE	4657-5748	1	1.48	3,000	12,000	6.0	R	600
16M3KXREEL	4657-1163	1	1.48	3,000	12,000	6.0	F	165



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## Global M3K Mega3000® Hose—MegaTuff® Cover High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GlobalSpiral™ Couplings (available 3/4” and 1”)
- MegaCrimp® Couplings
- Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⌀	⊘	⊙	⊙	⊙	Packaging	Standard Pack
4M3K-MTFXBALE	4657-5769	1/4	0.47	3,000	12,000	2.0	R	5600
4M3K-MTFXLG REEL	4657-1180	1/4	0.47	3,000	12,000	2.0	D	1400
4M3K-MTFXREEL	4657-1181	1/4	0.47	3,000	12,000	2.0	F	440
6M3K-MTF LRG RL	4657-1192	3/8	0.62	3,000	12,000	2.5	D	1000
6M3K-MTFXBALE	4657-5770	3/8	0.62	3,000	12,000	2.5	R	3800
6M3K-MTFXREEL	4657-1182	3/8	0.62	3,000	12,000	2.5	F	330
8M3K-MTFXBALE	4657-5771	1/2	0.78	3,000	12,000	3.5	R	3200
8M3K-MTFXLG REEL	4657-1193	1/2	0.78	3,000	12,000	3.5	D	1000
8M3K-MTFXREEL	4657-1183	1/2	0.78	3,000	12,000	3.5	F	330
10M3K-MTFXBALE	4657-5772	5/8	0.98	3,000	12,000	4.0	R	2500
10M3K-MTFXREEL	4657-1184	5/8	0.98	3,000	12,000	4.0	F	220
12M3K-MTFXREEL	4657-1185	3/4	1.14	3,000	12,000	4.8	F	220
16M3K-MTFXBALE	4657-5774	1	1.56	3,000	12,000	6.0	R	800
16M3K-MTFXREEL	4657-1186	1	1.56	3,000	12,000	6.0	F	165

## Global M3K Mega3000® Hose—XtraTuff™ Cover High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R17 requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GlobalSpiral™ Couplings (available 3/4” and 1”)
- MegaCrimp® Couplings
- Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⌀	⊘	⊙	⊙	⊙	Packaging	Standard Pack
3M3K-XTFXREEL	4657-8069	3/16	0.42	3,000	12,000	1.8	E	440
4M3K-XTFXBALE	4657-2434	1/4	0.47	3,000	12,000	2.0	R	5600
4M3K-XTFXREEL	4657-1097	1/4	0.47	3,000	12,000	2.0	F	440
5M3K-XTFXBALE	4657-2628	5/16	0.59	3,000	12,000	2.2	R	4400
5M3K-XTFXREEL	4657-2300	5/16	0.59	3,000	12,000	2.2	N	385
6M3K-XTFXBALE	4657-2627	3/8	0.62	3,000	12,000	2.5	R	3800
6M3K-XTFXREEL	4657-1098	3/8	0.62	3,000	12,000	2.5	N	330
8M3K-XTFXBALE	4657-1099	1/2	0.78	3,000	12,000	3.5	R	3200
8M3K-XTFXREEL	4657-2248	1/2	0.78	3,000	12,000	3.5	F	220
10M3K-XTFXREEL	4657-2249	5/8	0.98	3,000	12,000	4.0	F	220
12M3K-XTFXREEL	4657-2250	3/4	1.14	3,000	12,000	4.8	F	220
16M3K-XTFXREEL	4657-2307	1	1.56	3,000	12,000	6.0	F	165



High Pressure

## M3KH Wire Braid Hose—High-Temp—SAE 100R17



**Recommended For:** High-pressure hydraulic oil lines. Meets SAE 100R17 requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available for 3/4")

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4M3KHXREEL	4657-2664	1/4	0.47	3,000	12,000	2.0	N	440
5M3KHXREEL	4657-4055	5/16	0.59	3,000	12,000	2.2	N	330
6M3KHXREEL	4657-2696	3/8	0.62	3,000	12,000	2.5	N	330
8M3KHXREEL	4657-1360	1/2	0.78	3,000	12,000	3.5	N	220
10M3KHXREEL	4657-1361	5/8	0.98	3,000	12,000	4.0	F	220
12M3KHXREEL	4657-1362	3/4	1.14	3,000	12,000	4.8	F	220
16M3KHXREEL	4657-1363	1	1.56	3,000	12,000	6.0	F	165

High Pressure

## M3KH Wire Braid Hose—High-Temp—MegaTuff® Cover

**MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** High-pressure hydraulic oil lines. Meets SAE 100R17 requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GlobalSpiral™ Couplings (available for 3/4")

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4M3KH-MTFXREEL	4657-2321	1/4	0.47	3,000	12,000	2.0	R	440
6M3KH-MTFXREEL	4657-2323	3/8	0.62	3,000	12,000	2.5	R	330
8M3KH-MTFXREEL	4657-2324	1/2	0.78	3,000	12,000	3.5	F	330
10M3KH-MTFXREEL	4657-2325	5/8	0.98	3,000	12,000	4.0	F	220
12M3KH-MTFXREEL	4657-2326	3/4	1.14	3,000	12,000	4.8	F	220
16M3KH-MTFXREEL	4657-2327	1	1.56	3,000	12,000	6.0	F	165



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## M2T® MegaFlex® 2-Wire Braid Hose—SAE 100R16 High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings  
Permanent Stainless Steel Power Crimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M2TXBALE	4657-5728	1/4	0.54	5,000	20,000	2.0	R	5600
4M2TXREEL	4657-1552	1/4	0.54	5,000	20,000	2.0	E	550
6M2TXBALE	4657-5729	3/8	0.69	4,000	16,000	2.5	R	3000
6M2TXLRG REEL	4657-1492	3/8	0.69	4,000	16,000	2.5	D	1700
6M2TXREEL	4657-1555	3/8	0.69	4,000	16,000	2.5	E	385
8M2TXBALE	4657-5730	1/2	0.81	3,500	14,000	3.5	R	2500
8M2TXLRG REEL	4657-1493	1/2	0.81	3,500	14,000	3.5	D	1250
8M2TXREEL	4657-1559	1/2	0.81	3,500	14,000	3.5	F	330
10M2TXBALE	4657-5577	5/8	0.95	3,000	12,000	4.0	R	1750
10M2TXREEL	4657-1563	5/8	0.95	3,000	12,000	4.0	F	220
12M2TXBALE	4657-5732	3/4	1.10	2,250	9,000	4.8	R	1500
12M2TXREEL	4657-1567	3/4	1.10	2,250	9,000	4.8	F	220
16M2TXREEL	4657-1571	1	1.38	2,000	8,000	6.0	F	165

## M2T® MegaFlex® 2-Wire Braid Hose— MegaTuff® Cover

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings  
Permanent Stainless Steel Power Crimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	Packaging	Standard Pack
4M2T-MTFXBALE	4657-5764	1/4	0.54	5,000	20,000	2.0	R	5600
4M2T-MTFXREEL	4657-0222	1/4	0.54	5,000	20,000	2.0	E	350
6M2T-MTFXBALE	4657-5765	3/8	0.69	4,000	16,000	2.5	R	2400
6M2T-MTFXREEL	4657-0223	3/8	0.69	4,000	16,000	2.5	E	330
8M2T-MTFXBALE	4657-5766	1/2	0.81	3,500	14,000	3.5	R	2200
8M2T-MTFXREEL	4657-0224	1/2	0.81	3,500	14,000	3.5	F	330
10M2T-MTFXREEL	4657-0225	5/8	0.95	3,000	12,000	4.0	F	220
12M2T-MTFXREEL	4657-0226	3/4	1.10	2,250	9,000	4.8	F	220
16M2T-MTFXREEL	4657-0227	1	1.38	2,000	8,000	6.0	F	165



High Pressure

## M2T Plus MegaFlex 2-Wire Braid Hose Exceeds SAE 100R16



(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
4M2TPLUSXREEL	4657-4136	1/4	0.54	5,800	23,200	2.0	E	550
6M2TPLUSXREEL	4657-4301	3/8	0.69	4,800	19,200	2.5	E	385
8M2TPLUSXREEL	4657-4303	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUSXREEL	4657-4306	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUSXREEL	4657-4309	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUSXREEL	4657-4312	1	1.38	2,400	9,500	6.0	F	165

High Pressure

## M2T Plus MegaFlex 2-Wire Braid Hose MegaTuff

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp Couplings



Description	Product No.	⊖	⊕	⊙	⊙	R <sub>2</sub>	Packaging	Standard Pack
4M2TPLUS-MTFXREEL	4657-4137	1/4	0.54	5,800	23,200	2.0	E	350
6M2TPLUS-MTFXREEL	4657-4314	3/8	0.69	4,800	19,200	2.5	E	330
8M2TPLUS-MTFXREEL	4657-4305	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUS-MTFXREEL	4657-4308	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUS-MTFXREEL	4657-4311	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUS-MTFXREEL	4657-4315	1	1.38	2,400	9,500	6.0	F	165



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## M2T® Plus MegaFlex® 2-Wire Braid Hose— XtraTuff™

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16 and meets or exceeds EN 853 2SN. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). Dual green stripe layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
4M2TPLUS-XTFXREEL	4657-4138	1/4	0.54	5,800	23,200	2.0	E	350
6M2TPLUS-XTFXREEL	4657-4302	3/8	0.69	4,800	19,200	2.5	E	330
8M2TPLUS-XTFXREEL	4657-4304	1/2	0.82	4,000	16,000	3.5	F	330
10M2TPLUS-XTFXREEL	4657-4307	5/8	0.95	3,625	14,500	4.0	F	220
12M2TPLUS-XTFXREEL	4657-4310	3/4	1.10	3,100	12,400	4.8	F	220
16M2TPLUS-XTFXREEL	4657-4313	1	1.38	2,400	9,500	6.0	F	165

## CM2T MegaFlex® Connected Twin-Line 2-Wire Braid—SAE 100R16

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines joined together for easier plumbing and routing. Meets SAE 100R16 requirements. CM2T hose has smaller exterior dimensions and significantly tighter bend radius. Exceeds performance standards of EN 857 2SC and ISO/DIS 1436.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
6CM2T TWIN LINEXCTN	4657-99002	3/8	0.70	4,800	19,200	3.5	U	215
8CM2T TWIN LINEXCTN	4657-99665	1/2	0.82	4,000	16,000	5.0	U	180





(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and SAE 100R2 Type S and performance requirements of EN 853 2SN. Qualified to Mil-DTL-13531 Type II Class B.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, thin synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Field Attachable “Type T” Couplings
- MegaCrimp® Couplings (except -24 and -32)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
3G2XREEL	4657-2182	3/16	0.52	6,000	24,000	3.5	E	440
4G2XBALE	4657-5708	1/4	0.58	5,800	23,200	4.0	R	5600
4G2XREEL	4657-0125	1/4	0.58	5,800	23,200	4.0	E	550
6G2 XREEL	4657-0126	3/8	0.73	4,800	19,200	5.0	E	400
6G2XBALE	4657-5709	3/8	0.73	4,800	19,200	5.0	R	3000
8G2 XREEL	4657-0127	1/2	0.86	4,000	16,000	7.0	F	330
8G2XBALE	4657-5710	1/2	0.86	4,000	16,000	7.0	R	2250
10G2XBALE	4657-5711	5/8	0.98	3,625	14,500	8.0	R	1800
10G2XREEL	4657-0132	5/8	0.98	3,625	14,500	8.0	F	220
12G2XBALE	4657-5712	3/4	1.14	3,100	12,400	9.5	R	1250
12G2XREEL	4657-0128	3/4	1.14	3,100	12,400	9.5	F	220
16G2XBALE	4657-1094	1	1.48	2,400	9,600	12.0	R	1000
16G2XREEL	4657-0129	1	1.48	2,400	9,600	12.0	F	165
20G2XCTN	4657-0644	1 1/4	1.87	1,825	7,300	16.5	A	120
24G2XCTN	4657-2491	1 1/2	2.15	1,300	5,000	20.0	A	120
32G2XCTN	4657-2492	2	2.65	1,175	4,500	25.0	A	120

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2AT Type S and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.

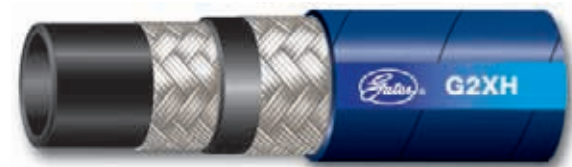
**Tube:** Black, oil and chemical resistant, synthetic rubber (CPE).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and abrasion resistant, thin synthetic rubber Hypalon®. Flame resistance - U.S. MSHA 2G.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate ester fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F. For water emulsions: Max. +225°F Pressure lines, Max +180°F Return lines.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
4G2HXREEL	4657-2541	1/4	0.58	6,000	24,000	4.0	E	550
6G2HXREEL	4657-2542	3/8	0.73	5,000	20,000	5.0	E	400
8G2HXREEL	4657-2543	1/2	0.86	4,250	17,000	7.0	F	330
10G2HXREEL	4657-2544	5/8	0.98	3,625	14,500	8.0	F	220
12G2HXREEL	4657-2545	3/4	1.14	3,100	12,400	9.5	F	220
16G2HXREEL	4657-2546	1	1.87	2,500	10,000	12.0	F	165
20G2HXCTN	4657-4005	1 1/4	1.87	2,250	9,000	16.5	A	120

† Hypalon® is a Registered Trademark of DuPont.





## Global G2H High-Temp 2-Wire Braid Hose

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and performance requirements of EN 853.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Hypalon® - Type M). Available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Field Attachable 'Type T' Couplings
- MegaCrimp® Couplings (-20)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sup>R</sup>	Packaging	Standard Pack
20G2HXCTN	4657-0930	1 1/4	1.87	1,625	6,600	16.5	A	120
24G2HXCTN	4657-0931	1 1/2	2.15	1,300	5,000	20.0	A	120
32G2HXCTN	4657-0932	2	2.65	1,175	4,500	25.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

## Global G2H High-Temp—MegaTuff® Cover

High Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and performance requirements of EN 853.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Hypalon® - Type M). Available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Field Attachable 'Type T' Couplings
- MegaCrimp® Couplings (-20)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⊖	⊕	⌚	⌚	⌚ <sup>R</sup>	Packaging	Standard Pack
20G2H-MTFXCTN	4657-2573	1 1/4	1.87	1,625	6,600	16.5	A	100
24G2H-MTFXCTN	4657-2151	1 1/2	2.15	1,300	5,000	20.0	A	100
32G2H-MTFXCTN	4657-2152	2	2.65	1,175	4,500	25.0	A	100

† Hypalon® is a Registered Trademark of DuPont.



High Pressure

## Global G2L PolarFlex® Hose— SAE 100R2 Type AT



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and SAE 100R2 Type S and performance requirements of EN 853 2SN. Qualified to Mil-DTL-13531 Type II Class B.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, thin synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Field Attachable “Type T” Couplings
- MegaCrimp® Couplings (except -24 and -32)
- Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
4G2LXREEL	4657-2202	1/4	0.58	5,800	23,200	4.0	E	440
6G2LXREEL	4657-2203	3/8	0.73	4,800	19,200	5.0	E	385
8G2LXREEL	4657-2204	1/2	0.86	4,000	16,000	7.0	F	330
10G2LXREEL	4657-2205	5/8	0.98	3,625	14,500	8.0	F	220
12G2LXREEL	4657-2206	3/4	1.14	3,100	12,400	9.5	F	220
16G2LXREEL	4657-2207	1	1.48	2,400	9,600	12.0	F	165
20G2LXCTN	4657-2208	1 1/4	1.87	1,825	7,300	16.5	F	120
24G2LXCTN	4657-2315	1 1/2	2.20	1,300	5,200	20.0	A	120
32G2LXCTN	4657-2316	2	2.65	1,175	4,700	25.0	A	120

High Pressure

## J2AT 2-Wire Braid Jack Hose— 10,000 Static Pressure Only

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure Only

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

- Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement.



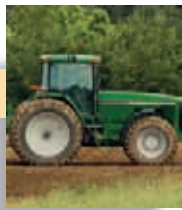
Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
4J2ATXREEL	4657-1400	1/4	0.58	10,000	20,000	4.0	F	350
6J2ATXREEL	4657-1404	3/8	0.74	10,000	20,000	5.0	F	330



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A31



## J2AT 2-Wire Braid Jack Hose— MegaTuff® Cover—10,000 Static Pressure Only

High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure Only

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement.



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
4J2AT-MTFXREEL	4657-1188	1/4	0.58	10,000	20,000	4.0	F	350
6J2AT-MTFXREEL	4657-1189	3/8	0.74	10,000	20,000	5.0	F	330

## G1 1-Wire Braid Hose—SAE 100R1 Type AT

Medium Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1 Type AT and SAE 100R1 Type S and performance requirements of EN 853 1SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

Field Attachable 'Type T' Couplings  
MegaCrimp® Couplings (except -3, -24 and -32)  
Permanent GSP Couplings (-3 only)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
3G1XBALE	4657-5700	3/16	0.47	3,625	14,500	3.0	R	7600
3G1XREEL	4657-0599	3/16	0.47	3,625	14,500	3.0	E	440
4G1XBALE	4657-5717	1/4	0.53	3,275	13,100	4.0	R	5600
4G1XREEL	4657-0120	1/4	0.53	3,275	13,100	4.0	E	440
5G1XREEL	4657-0116	5/16	0.59	3,125	12,500	4.5	E	350
6G1XBALE	4657-5703	3/8	0.69	2,600	10,400	5.0	R	3800
6G1XREEL	4657-0121	3/8	0.69	2,600	10,400	5.0	E	385
8G1XBALE	4657-5704	1/2	0.82	2,325	9,300	7.0	R	2800
8G1XLG REEL	4657-2645	1/2	0.82	2,325	9,300	7.0	D	500
8G1XREEL	4657-0122	1/2	0.82	2,325	9,300	7.0	F	330
10G1XBALE	4657-5705	5/8	0.94	1,900	7,600	8.0	R	2500
10G1XREEL	4657-0115	5/8	0.94	1,900	7,600	8.0	F	220
12G1XBALE	4657-5706	3/4	1.10	1,525	6,100	9.0	R	1500
12G1XREEL	4657-0123	3/4	1.10	1,525	6,100	9.0	F	220
16G1XBALE	4657-5707	1	1.41	1,275	5,100	12.0	R	700
16G1XREEL	4657-0124	1	1.41	1,275	5,100	12.0	F	165
20G1XBALE	4657-5702	1 1/4	1.71	925	3,700	16.0	R	600
20G1XCTN	4657-0646	1 1/4	1.71	925	3,700	16.0	A	120
24G1XCTN	4657-2489	1 1/2	1.96	725	2,900	20.0	A	120
32G1XCTN	4657-2490	2	2.52	600	2,700	25.0	A	120



## G1H 1-Wire Braid Hose—High-Temp—SAE 100R1 Type AT



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** Medium pressure hydraulic oil lines. Meets or exceeds requirements of SAE 100R1 Type AT.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Hypalon® - Type M).

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

MegaCrimp® Couplings (except -24 and -32)

Permanent GSP Couplings (-24 and -32)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
4G1HXREEL	4657-2175	1/4	0.53	2,750	11,000	4.0	E	440
6G1HXREEL	4657-2176	3/8	0.69	2,250	9,000	5.0	E	385
8G1HXREEL	4657-2177	1/2	0.82	2,000	8,000	7.0	F	330
10G1HXREEL	4657-2178	5/8	0.94	1,500	6,000	8.0	F	220
12G1HXBALE	4657-2536	3/4	1.10	1,250	5,000	9.5	R	1500
12G1HXREEL	4657-2179	3/4	1.10	1,250	5,000	9.5	F	220
16G1HXREEL	4657-2180	1	1.41	1,000	4,000	12.0	F	165
20G1HXCTN	4657-0940	1 1/4	1.72	925	2,500	16.0	A	120
24G1HXCTN	4657-0934	1 1/2	1.96	725	2,900	20.0	A	120
32G1HXCTN	4657-0935	2	2.52	600	2,400	25.0	A	120

† Hypalon® is a Registered Trademark of DuPont.

## RFS Red Fire Suppressant Hose

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

**Recommended For:** Low-pressure powder fire suppressant applications in mining, forestry and fire fighting equipment. The red cover is for easy visual identification in these applications. Meets performance requirements 100R Type S.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Red, oil and abrasion resistant (Modified Nitrile - Type C2).

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

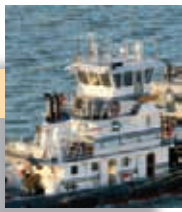
MegaCrimp® Couplings

Permanent Power Crimp® Couplings (-3 only)



Description	Product No.	⌀	Ø	⌚	⌚	⌚	Packaging	Standard Pack
3RFSXREEL	4657-2145	3/8	0.45	3,000	12,000	3.0	E	440
4RFSXREEL	4657-3314	1/4	0.53	2,750	11,000	4.0	E	440
6RFSXREEL	4657-3313	3/8	0.68	2,250	9,000	5.0	E	300
8RFSXREEL	4657-3315	1/2	0.80	2,000	8,000	7.0	F	330
12RFSXREEL	4657-3316	3/4	1.09	1,250	5,000	9.5	F	300
16RFSXREEL	4657-2155	1	1.41	1,000	4,000	12.0	F	165





## MegaTech® II—SAE 100R2 Type AT— ACP Carton Pack

High Pressure

**Recommended For:** Multi-purpose high-pressure, high-temperature, air compressor lines, petroleum-base or phosphate ester hydraulic fluid supply lines. Meets or exceeds the requirements of SAE 100R2AT and SAE 100R2 Type S.

**Tube:** Black, oil resistant, synthetic rubber (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and abrasion resistant, polyester braid.

**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

MegaCrimp® Couplings (-20 only)  
Permanent GSP Couplings (-24 and -32)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
20ACP MEGATECHIIIXCTN	4657-8018	1 1/4	1.89	2,250	6,800	15.0	A	100
24ACP MEGATECHIIIXCTN	4657-2484	1 1/2	2.13	1,500	6,000	20.0	A	100
32ACP MEGATECHIIIXCTN	4657-2485	2	2.61	1,300	5,200	25.0	A	100

## MegaTech® 3000 High-Temp Oil/Air Return

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1019 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube, specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	○	Packaging	Standard Pack
4MEGATECH 3000XREEL	4657-2373	1/4	0.59	3,000	12,000	2.0	30	F	400
6MEGATECH 3000XREEL	4657-2374	3/8	0.74	3,000	12,000	2.5	30	F	350
8MEGATECH 3000XREEL	4657-2319	1/2	0.86	3,000	12,000	3.5	30	F	350



**Recommended For:** Air brake, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT FMVSS 106-74, SAE J1402, SAE J1019 and Air Brake Hose (-4, 6, 8, 10) performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GL Couplings (-12, -16 and -20)
- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⌚	⌚	⌚	⊙	Packaging	Standard Pack
4MEGATECH 1000XREEL	4657-2332	1/4	0.52	1,000	4,000	2.0	30	F	350
6MEGATECH 1000XREEL	4657-2297	3/8	0.66	1,000	4,000	2.5	30	F	350
8MEGATECH 1000XREEL	4657-2334	1/2	0.80	1,000	4,000	3.5	30	F	350
10MEGATECH 1000XREEL	4657-2335	5/8	0.93	1,000	4,000	4.0	30	F	300
12MEGATECH 1000XREEL	4657-2336	3/4	1.15	1,000	4,000	4.8	30	F	200
16MEGATECH 1000XREEL	4657-2337	1	1.37	1,000	4,000	6.0	30	F	150
20MEGATECH1000XCTN	4657-2338	1 1/4	1.64	1,000	4,000	8.5	30	A	100

*NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.*

**Recommended For:** For air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT SAE J1019 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GL Couplings
- Power Crimp® GSP (-24 and -32)



Description	Product No.	⊖	⊕	⌚	⌚	⌚	⊙	Packaging	Standard Pack
24MEGATECH500XCTN	4657-0204	1 1/2	1.95	500	2,000	15.0	30	A	100
32MEGATECH500XCTN	4657-0205	2	2.48	500	2,000	18.0	30	A	100
40MEGATECH500XCTN	4657-0206	2 1/2	2.97	500	2,000	22.0	30	A	100
48MEGATECH500XCTN	4657-0207	3	3.50	500	2,000	24.0	30	A	100

*NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.*





## MegaTech® 250 High-Temp Transmission Oil Cooler (TOC) Hose

**Recommended For:** High-temperature (300°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supplies. Meets or exceeds SAE J1019 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

### Coupling Recommendation (See Crimp Data Manual 35019):

GLP Couplings (-4 through -12)  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
4MEGATECH 250XREEL	4657-2339	1/4	0.52	250	1,000	1.0	30	F	250
6MEGATECH 250XREEL	4657-2340	3/8	0.64	250	1,000	1.8	30	F	350
8MEGATECH 250XREEL	4657-2341	1/2	0.78	250	1,000	2.5	30	F	350
10MEGATECH 250XREEL	4657-2342	5/8	0.93	250	1,000	3.0	30	F	300
12MEGATECH 250XREEL	4657-2343	3/4	1.06	250	1,000	3.5	30	F	200
16MEGATECH 250XREEL	4657-2344	1	1.36	250	1,000	4.0	30	F	150
20MEGATECH 250XCTN	4657-2345	1 1/4	1.65	250	1,000	4.5	30	A	120

## MegaTech® G5TB Extreme Heat Oil/Air Return and Air Brake Hose

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1019 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube, specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and mildew resistant textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

### Coupling Recommendation (See Crimp Data Manual 35019):

GL Couplings (-24 and -32 only)  
MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
4MEGATECH G5TBXREEL	4657-2183	1/4	0.59	3,000	12,000	2.0	F	F	400
6MEGATECH G5TBXREEL	4657-2184	3/8	0.74	3,000	12,000	2.5	F	F	350
8MEGATECH G5TBXREEL	4657-2185	1/2	0.86	3,000	12,000	3.5	F	F	350
10MEGATECH G5TBXREEL	4657-2186	5/8	0.95	2,000	8,000	4.0	F	F	300
12MEGATECH G5TBXREEL	4657-2187	3/4	1.10	2,000	8,000	4.8	F	F	200
16MEGATECH G5TBXREEL	4657-2188	1	1.37	1,000	4,000	6.0	F	F	150
20MEGATECH G5TBXCTN	4657-2189	1 1/4	1.67	1,000	4,000	8.5	A	A	100
24MEGATECH G5TBXCTN	4657-2190	1 1/2	1.95	500	2,000	9.5	A	A	100
32MEGATECH G5TBXCTN	4657-2191	2	2.53	500	2,000	10.5	A	A	100





(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Pilot lines, pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GLP Couplings
- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M500XREEL	4657-8027	1/4	0.48	500	2,000	2.0	N	440
6M500XREEL	4657-8028	3/8	0.63	500	2,000	2.5	N	330
8M500XREEL	4657-8029	1/2	0.76	500	2,000	3.5	N	220
10M500XREEL	4657-8030	5/8	0.93	500	2,000	4.0	F	220
12M500XREEL	4657-8031	3/4	1.09	500	2,000	4.8	F	220
16M500XREEL	4657-8032	1	1.40	500	2,000	6.0	F	165

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Pilot lines, pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

- GLP Couplings
- MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4M500MTFXREEL	4657-8039	1/4	0.48	500	2,000	2.0	N	440
6M500MTFXREEL	4657-8040	3/8	0.63	500	2,000	2.5	N	330
8M500MTFXREEL	4657-8041	1/2	0.76	500	2,000	3.5	N	220





## M500 XtraTuff™ Wire Braid Hose

Low Pressure

(Meets Flame Resistance Acceptance Designation "MSHA 2G")

**Recommended For:** Pilot lines, pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See Crimp Data Manual 35019):**

GLP Couplings  
MegaCrimp® Couplings



Description	Product No.						Packaging	Standard Pack
4M500XTFXREEL	4657-8033	1/4	0.48	500	2,000	2.0	N	440
6M500XTFXREEL	4657-8034	3/8	0.63	500	2,000	2.5	N	330
8M500XTFXREEL	4657-8035	1/2	0.76	500	2,000	3.5	N	220
10M500XTFXREEL	4657-8036	5/8	0.93	500	2,000	4.0	F	220
12M500XTFXREEL	4657-8037	3/4	1.09	500	2,000	4.8	F	220
16M500XTFXREEL	4657-8038	1	1.40	500	2,000	6.0	F	165

## TR500 High-Temp/Air Brake/Engine Hose

**Recommended For:** Air brake hose, pressurized oil return lines and rotary oil/air compressor lines, engine and transmission coolant lines and lube oil lines. Meets or exceeds DOT FMVSS 106-74, SAE J1402 (4, 6, 8, 10). Not recommended for gasoline or diesel fuel applications.

**Tube:** Black (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See Crimp Data Manual 35019):**

GLP Couplings  
MegaCrimp® Couplings



Description	Product No.							Packaging	Standard Pack
4TR500XREEL	4657-2228	1/4	0.51	500	2,000	1.0	30	G	250
6TR500XREEL	4657-2520	3/8	0.66	500	2,000	1.8	30	G	350
8TR500XREEL	4657-2521	1/2	0.80	500	2,000	2.3	30	G	350
10TR500XREEL	4657-2229	5/8	0.93	500	2,000	2.8	30	G	300
12TR500XREEL	4657-2230	3/4	1.04	500	2,000	3.5	30	G	200
16TR500XREEL	4657-2231	1	1.30	500	2,000	4.5	30	G	150

*NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.*

