

IDEAL[®] FISH TAPE LINE

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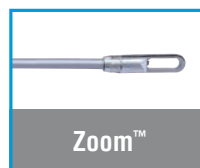
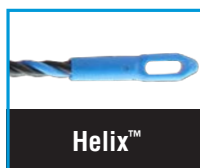
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Full-Line of IDEAL[®] Fish Tapes





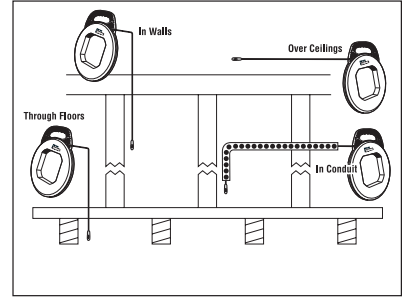
IDEAL[®] FISH TAPE LINE

USER GUIDE

ENGLISH

How to Fish

Feed fish tape to the pulling point. Fasten wires to the fish tape eye and wrap securely with electrician's tape; pull wires through (see Figure 1). For best results, use a wire pulling lubricant such as Yellow 77[®], Yellow 77 Plus[®], Aqua-Gel[®] II or ClearGuide[™] to reduce pulling effort and protect the wires.

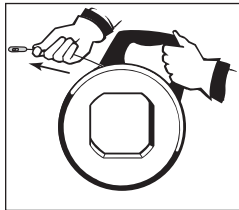


Warnings

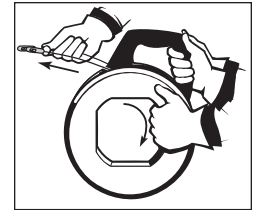
- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the E-Class[™] Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

Winding Instructions

To Unwind: Grasp handle and rotate case in direction of arrow on case.



To Wind: Grasp handle and rotate case in direction of arrow on case.



Non-Conductive Fish Tape Selection Guide

	S-CLASS [®]	E-CLASS [™]	HELIX [™]
Pull Strength	500 lbs.	350 lbs.	200 lbs.
Column Strength	★★★★★	★★★	★★
Flexibility	★★★	★★★	★★★★★
Length of Run	★★★★★	★★★★	★★★
Use with Aluminum EMT	✓	✓	✓
Non-Conductive up to 1000V*	—	✓	✓

Full-Line of IDEAL[®] Fish Tapes





IDEAL® FISH TAPE LINE

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BLUEVIEW™ BLUED-STEEL™ FISH TAPES

BLUEVIEW™ S-CLASS® FISH TAPES

Getting Started

1. Install included AAA Batteries (Batteries can be found in the on-board storage location). See “How to Replace Batteries” section for details.
2. Press and hold the power button located just above the screen (Figure 1).
3. Press and hold the zero button located behind the screen on the inside of the handle (Figure 2).
4. Your BlueView™ Fish Tape is ready to use.

How to Calibrate

The BlueView™ Fish Tape comes factory calibrated and ready to use. It is recommended that the fish tape be calibrated at the following increments:

- 500' of use
- 5000' of use
- As needed after 5000' of use

To Field Calibrate:

1. Retract the fish tape all the way into the case.
2. Press and hold the Zero button for 3 seconds.
3. Pull out and measure 10' of fish tape material using a measuring tape (Figure 4).
4. Using a stripped 12 AWG Solid Wire (or similar object) locate and press the 10' Calibrate button located on the face of the handle (Figure 3) “CAL” will appear on the screen when complete.
5. The BlueView™ Fish Tape is now calibrated and ready for normal use.

How to Replace Batteries

1. Locate the two #2 Phillips drive screws located on the back cover of the handles (Figure 5).
2. Remove the cover to expose the battery pack (middle of handle) and on-board storage (rear of handle) location (Figure 6).
3. Remove batteries and inspect the battery compartment for any signs of degradation.
3. Once batteries are installed, replace the cover by tilting the locking tab into the slot near the battery holder and pushing down flat (Figure 7).
4. Replace the two screws until snug, do not over tighten these screws.

Maintenance and Information

- Power off the fish tape before performing any maintenance
- Clean the case with a damp cloth and mild detergent. Do not use abrasives or solvents
- Keep away from liquids and ensure the fish tape is completely dry before use
- See the instruction guide for the respective fish tape material for any end repair/replacement instructions
- Removing the front cover and tampering with the electronics on board may void the units warranty.
- To save battery life, the display will auto darken after 30 seconds of inactivity. To relight the display, feed or retract the tape slightly.
- After 30 minutes on inactivity, the fish tape will automatically power down completely.

Disposal of Used Batteries/Accumulators

The user is legally obliged to return used batteries and accumulators. Disposing of batteries in household waste is prohibited! Batteries/accumulators containing hazardous substances are marked with the crossed-out wheeled bin. The symbol indicates that the product is forbidden to be disposed via domestic refuse. The chemical symbols for the respective hazardous substances are **Cd** = Cadmium, **Hg** = Mercury, **Pb** = Lead. You can return used batteries/accumulators free of charge to any collecting point of our local authority, or where batteries/accumulators are sold. Consequently, you must comply with your legal obligations and contributor to environmental protection.

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.
- Do not submerge or leave exposed to water/rainfall
- Operating Temperature range -4°F to 130°F (-20C to 55C)
- Remove batteries for storage if the fish tape will not be used for longer than one month
- Battery leakage will compromise the safety of the fish tape and cause irreparable damage to internal components

Full-Line of IDEAL® Fish Tapes



S-Class®



E-Class™



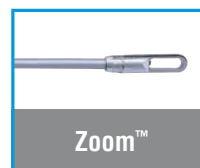
Helix™



Blued-Steel™



Stainless Steel



Zoom™



Gold-Fish®

Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Ordering Information

Cat. No.	Length (ft.)	Fish Tape Type
31-656	120	Blued-Steel™
31-657	240	
31-661	100 w/Eyelet	S-Class®
31-663	100 w/Leader	



IDEAL® FISH TAPE LINE

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S-CLASS® FISH TAPES

How to Replace Eyelet

Fish Tape Preparation

Proper preparation and stripping of S-Class® Fish Tape is critical to the strength of the eye-to-tape connection.

1. Cut back damaged end with Side-Cutting Pliers (Figure 1).
2. Strip outer yellow nylon jacket with stripper (using 10 AWG solid hole) exposing fiberglass.
3. Pulling eye strip length to be 3/8" (9,5 mm), Gold-Fish® leader strip length to be 5/16" (8 mm)

Gluing Eyelet

1. Apply industrial adhesive (supplied with repair kit) to the fiberglass core and the yellow nylon jacket (Figure 2).
2. Insert stripped end into eye or leader. Fish tape jacket must bottom-out in eye, and fiberglass end must extend completely to the edge of the eye hole (Figure 3).

Crimping Eye/Leader

1. Crimp eye to yellow nylon jacket by using crimp nest which is closest to end of crimp tool (Figure 4). Locate shoulder of eye (or leader) against shoulder in die to align crimp. Four crimps are to be made on smaller diameter end of the eye or leader, 90° apart (Figure 5). Six total crimps should be completed.

Allow adhesive to cure for 24 hours before use.

Ordering Information

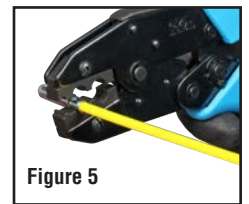
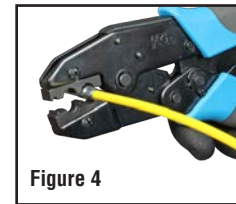
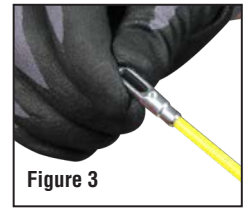
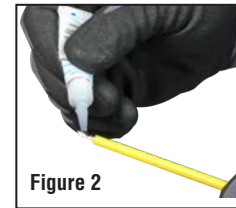
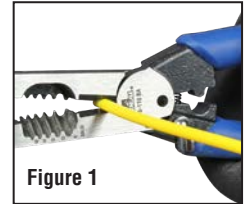
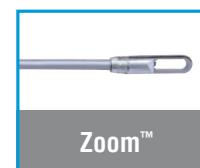
Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-061	100	12	500	Leader
31-063				Machined Metal Eyelet
31-064	200	16	500	Leader
31-065				Machined Metal Eyelet

Cat. No.	Description
31-156	Field Application Kit includes: Crimpmaster™ Crimp Tool frame (30-506), die set, S-Class® eyelets (2), S-Class® leaders (2), Zoom™ eyelets (2) and instant adhesive
31-164	Die Set Kit includes: eyelets (2), leaders (2) and instant adhesive
31-158	Replacement eyelets (4) for S-Class® Fish Tapes and instant adhesive
31-159	Replacement leaders (4) for S-Class® Fish Tapes and instant adhesive
31-166	Die Set only

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

Full-Line of IDEAL® Fish Tapes





IDEAL® FISH TAPE LINE

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ENGLISH

E-CLASS™ FISH TAPES

How to Replace Eyelet

Fish Tape Preparation

Proper preparation and stripping of E-Class™ Fish Tape is critical to the strength of the eye-to-tape connection..

1. Cut back damaged end with Side-Cutting Pliers (Figure 1).
2. Strip outer blue nylon jacket with stripper (using 10 AWG solid hole) exposing fiberglass (Figure 2). IDEAL recommends using 45-292 or 45-092 Stripmaster® Wire Stripper.
3. Pulling eye strip length to be 1".

Gluing Eyelet

1. Apply industrial adhesive (supplied with repair kit) to both fiberglass core and the blue nylon jacket (Figure 3).
2. Insert stripped end into eye. Fish tape jacket must bottom-out in eye, and fiberglass end must extend completely to the edge of the eye hole (Figure 4).

Allow adhesive to cure for 24 hours before use.

Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-046	100	12	350	Molded Plastic Eyelet - Glow-in-the-Dark
31-048	200	16		

Cat. No.	Description
31-044	E-Class™ Repair Kit

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

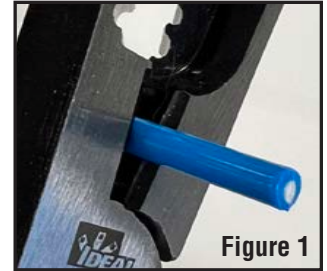


Figure 1



Figure 2

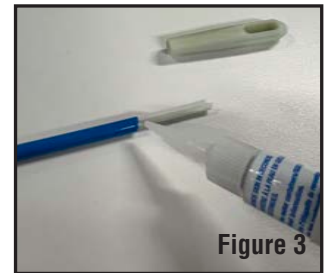


Figure 3

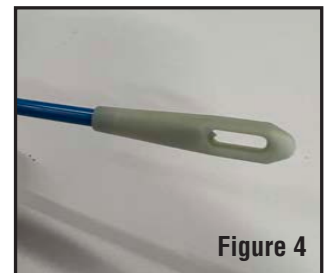


Figure 4

Full-Line of IDEAL® Fish Tapes



S-Class®



E-Class™



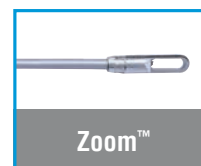
Helix™



Blued-Steel™



Stainless Steel



Zoom™



Gold-Fish®



IDEAL[®] FISH TAPE LINE

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HELIX[™] FISH TAPES

How to Replace Eyelet

Proper preparation and stripping of Helix[™] Fish Tape is critical to the strength of the eye-to-tape connection..

1. Cut back damaged end with Side-Cutting Pliers (Figure 1).
2. Apply industrial adhesive (supplied with repair kit) to the fish tape material, from the cut end to 3/4" (19 mm) down (Figure 2).
3. Insert glued end into eye. Fish tape must bottom-out in eye (Figure 3).

Allow adhesive to cure for 24 hours before use.

Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-075	50	12	200	Molded Plastic Eyelet - Non-Conductive
31-076	100	12		
31-077	200	16		

Cat. No.	Description
31-078	Helix [™] Repair Kit

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

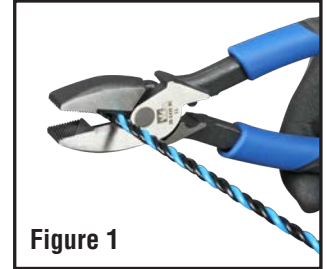


Figure 1

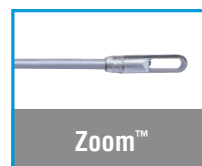
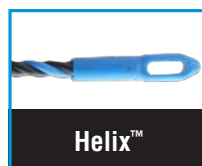


Figure 2



Figure 3

Full-Line of IDEAL[®] Fish Tapes





IDEAL® FISH TAPE LINE

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ENGLISH

BLUED-STEEL™ FISH TAPES

How to Reform End

Steel: To reform hook, heat end of fish tape with a torch to a dull red color. Grasp heated end with pliers and bend as in Figures 1 and 2. Always wear protective gloves. Allow air to cool; do not quench. Do not bend cold as it could damage the tape.

Accessories Installation

1. Unscrew end-cap from leader (Figure 3)
2. After cutting off loop on fish tape, slide fish tape through hole in adapter.
3. Heat end of fish tape to a dull red and bend end with pliers. Flatten end of tape while still dull red. Reheat if necessary (Figure 4).
4. Allow tape to cool. Do not quench.
5. Reattach adapter to leader and tighten. Pull on fish tape to ensure secure connection (Figure 5).

Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-059	50	12	1,600	Formed End
31-055	60			
31-058	100			
31-056	120			
31-057	240			

Cat. No.	Description
31-085	Fish Tape Swivel Ball
31-148	Fish Tape Leader for steel or stainless steel tapes

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

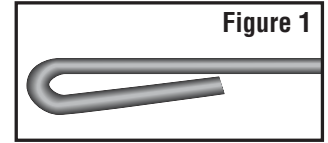


Figure 1

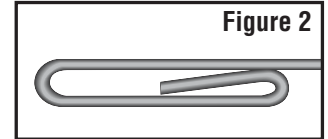


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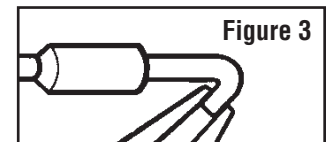


Figure 3

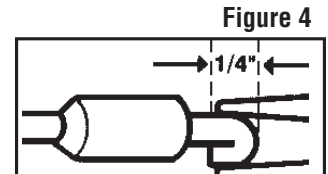


Figure 4

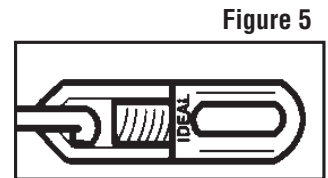
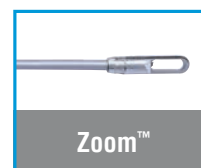


Figure 5

Full-Line of IDEAL® Fish Tapes





IDEAL® FISH TAPE LINE

USER GUIDE

ENGLISH

STAINLESS STEEL FISH TAPES

How to Reform End

Steel: To reform hook, grasp end with pliers and bend as in Figures 1 and 2. Always wear protective gloves. Do not heat the stainless steel material.

Accessories Installation

1. Unscrew end-cap from leader (Figure 3)
2. After cutting off loop on fish tape, slide fish tape through hole in adapter.
3. Bend end with pliers. Flatten end of tape. (Figure 4). Do not heat the stainless steel material
4. Reattach adapter to leader and tighten. Pull on fish tape to ensure secure connection (Figure 5).

Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-066	120	12	1,600	Formed End
31-067	240			

Cat. No.	Description
31-085	Fish Tape Swivel Ball
31-148	Fish Tape Leader for steel or stainless steel tapes

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

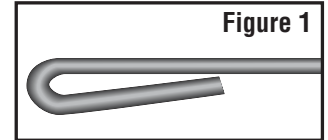


Figure 1

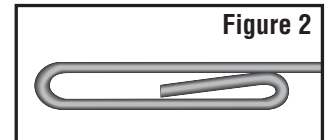


Figure 2

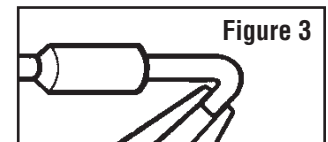


Figure 3

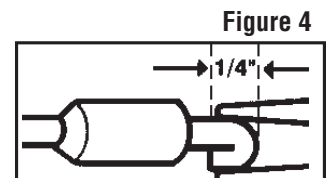


Figure 4

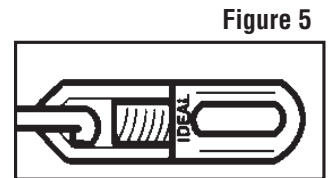


Figure 5

Full-Line of IDEAL® Fish Tapes



S-Class®



E-Class™



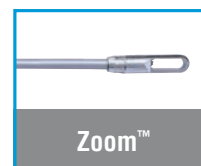
Helix™



Blued-Steel™



Stainless Steel



Zoom™



Gold-Fish®



IDEAL® FISH TAPE LINE

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ENGLISH

ZOOM™ FISH TAPES

How to Replace Eyelet

Fish Tape Preparation

Proper preparation and stripping of Zoom™ Fish Tape is critical to the strength of the eye-to-tape connection.

1. Cut back damaged end with Side-Cutting Pliers (Figure 1).
2. Strip outer silver jacket with stripper (using 10 AWG solid hole) exposing stainless core.
3. Pulling eye strip length to be 1/2" (12.7 mm)

Gluing Eyelet

1. Apply industrial adhesive (supplied with repair kit) to the stripped end (Figure 2).
2. Insert stripped end into eyelet. Fish tape jacket must bottom-out in eye, and stainless end must extend completely to the edge of the eye hole (Figure 3).

Crimping Eye/Leader

1. Crimp eye to the stainless end using crimp nest that is closest to pivot. Crimps are to be made by aligning the pin in the crimp nest with 1/8" slot. Complete six crimps evenly spaced on both sides of the eyelet.

Allow adhesive to cure for 24 hours before use.

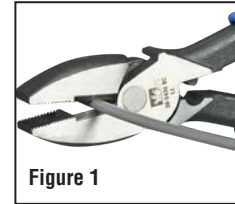


Figure 1



Figure 2



Figure 3

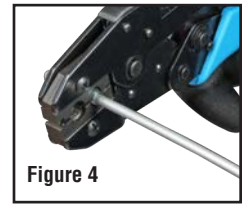


Figure 4

Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-092	100	12	1,000	Machined Metal Eyelet
31-096	200			

Cat. No.	Description
31-094	Zoom™ Fish Tape Replacement Eyelets (4)
31-156	Fish Tape Field Application Kit

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

Full-Line of IDEAL® Fish Tapes



S-Class®



E-Class™



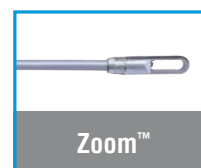
Helix™



Blued-Steel™



Stainless Steel



Zoom™



Gold-Fish®



IDEAL[®] FISH TAPE LINE

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GOLD-FISH[®] FISH TAPES

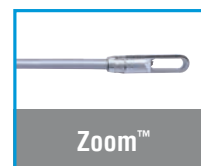
Ordering Information

Cat. No.	Length (ft.)	Case Size (in.)	Strength (lbs.)	End Type
31-144	50	12	700	Machined Metal Eyelet
31-141	50	Caseless		
31-145	25			
31-146	100			

Warnings

- Always use approved safety glasses when using this product.
- Do **NOT** use on or near live circuits or near energized equipment. Electrical shock may occur causing injury or death. Make sure all power is off.
- Do **NOT** use pliers or other tools that may kink, damage, or weaken the Fish Tape.
- Do **NOT** attempt to use fish tape that is fractured, has multiple ends or has a damaged jacket.
- Keep the fish tape wound in the reel to prevent damage to the tape.
- Use this product in a safe work position to prevent loss of balance.
- Never remove the screws from case while fish tape is coiled inside the reel.

Full-Line of IDEAL[®] Fish Tapes



IDEAL[®] FISH TAPE LINE

USER GUIDE