

CONDUX

LW Fiber Optic Cable Blowing & Micro Duct Installation



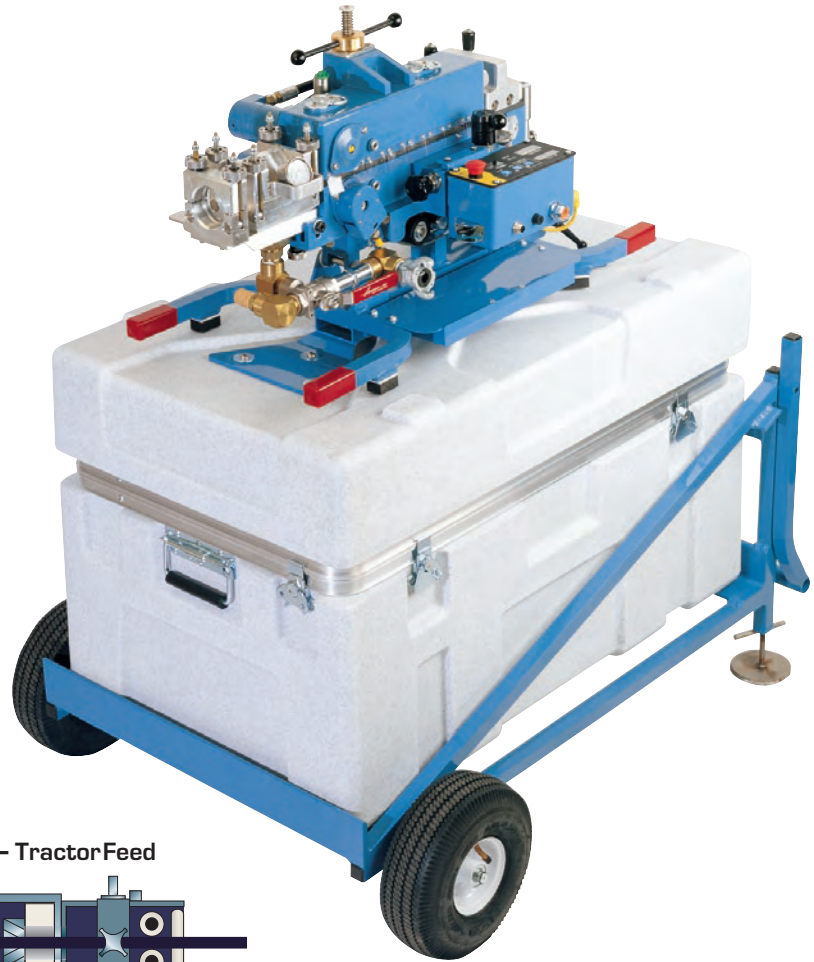
CONDUX

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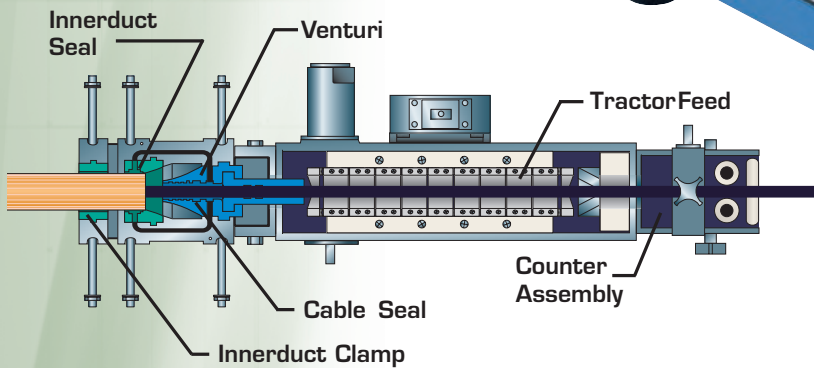
LW Fiber Optic Cable Blower

While Condux's LW Fiber Optic Cable Blower operates on the same principles as the HD model, there are several differences. The LW Fiber Optic Cable Blower is compact and lightweight, making it ideally suited for your most difficult job sites and "last mile" fiber installations. An updated design has increased portability and made operation easier than ever. In addition, Condux's patented traction control system shuts down the blower when problems with cable slippage or duct blockage are detected, adding safety to every job and preventing costly cable damage.

Backed by years of fiber blowing experience, the LW Fiber Optic Cable Blower is designed for the installation of fiber optic cables with diameters from 0.23" (5.8 mm) to 1.13" (28.7 mm) into innerduct from 0.98" (25 mm) outer diameter to 1.97" (50.0 mm) outer diameter. Installation speeds approaching 300 ft/min (91.5 m/min) are possible.



Part # 08782000



LW BLOWER



EASY TO USE

Convenient tilting of the LW Fiber Optic Cable Blower for ease of pouring in lubricant. Easily install cable into rollers, then close and you are ready to start.



LIGHTWEIGHT & PORTABLE

The Lightweight Blower is extremely easy to handle and transport. The blower and all accessories including hydraulic hoses, cable and conduit packs and seal kits conveniently fit into a lightweight job box with wheels.



AIR BLOCK & CONDUIT CLAMP

The Lightweight Blower features a hinged air block and a hinged conduit clamp that are easily secured and opened with the use of a spanner wrench.

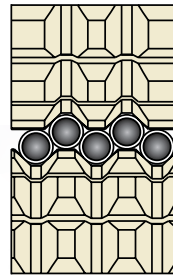


BELT TRACTOR DRIVE

Single belt tractor drive provides for smooth and quiet operation. The belt can be easily removed and replaced making maintenance fast and simple.

Micro Duct Installation

CABLE BLOWING



Condux provides one of the most comprehensive lines of micro duct and micro fiber installation equipment and tools in the industry today. With unmatched versatility, the Condux LW Cable Blower is able to install fiber optic cable with diameters ranging from 0.20 inches (5.8 mm) to 1.13 inches (28.7 mm). Then, with a simple belt change out, the Condux blower converts quickly and easily for micro duct installation, able to install 10 mm, 12 mm and 12.7 mm multiple micro ducts.

Condux also has all the accessories you need to make your next last mile project a success!

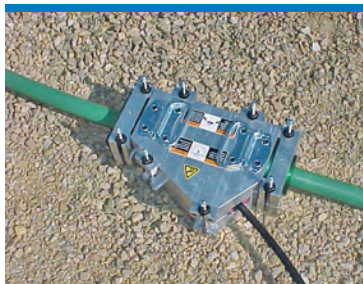
Micro Fiber Installation



The Condux Hand Held Fiber Blower

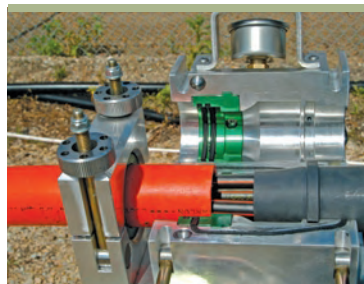
- Shorter run fiber optic cable & micro fiber optic cable installations
- Fiber from 0.20 inches (5.8 mm) to 1.13 inches (28.7 mm)
- Accommodates duct from 0.39 inches (10 mm) to 1.90 inches (48.26 mm)
- Flat fiber installations

MICRO DUCT



Y-BLOCK

The Condux "Y"-Block is designed for installing a micro duct or fiber cable into and existing occupied duct, when coupled to the Condux Fiber Optic Cable Blower.



MULTIPLE MICRO DUCT KIT

Condux Multiple Micro Duct Installation Kits allow you to install up to (5) 10/8 micro ducts, (4) 12/10 micro ducts or (4) 12.7 micro ducts into an existing innerduct, when used with the Condux Fiber Optic Cable Blower.



ADVANCED ELECTRONIC CONTROLS

Advanced Electronic Controls monitor and display the cable and tractor drive speeds. Will automatically shut off the blower in these conditions: Slippage, Over-speed and Cable stoppage.



PRESSURE GAUGE KIT

Use the Micro Duct Pressure Gauge Kit in conjunction with Air Valve Plugs for pressurizing Micro Duct to prevent kinking and crushing during installation.

Micro Duct Kits

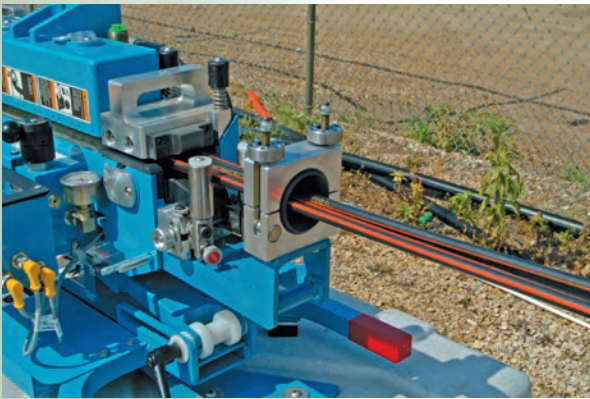
CABLE BLOWING



Multiple Micro Duct Installation Kits

Condux Multiple Micro Duct Installation Kits allow you to install up to (5) 10/8 micro ducts, (4) 12/10 micro ducts or (4) 12.7 micro ducts into an existing innerduct, when used with the Condux Fiber Optic Cable Blower.

| Part Number | Description |
|-------------|--|
| 08780710 | 10/8 Multiple Micro Duct Installation Kit |
| 08780712 | 12/10 Multiple Micro Duct Installation Kit |
| 08780770 | 12.7 Multiple Micro Duct Installation Kit |

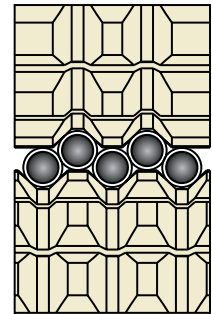


It is recommended to crash test your micro duct prior to installation to determine proper hydraulic settings. Refer to the Condux manual for crash test procedure.

Note: When installing two or less micro ducts, standard belts can be used.

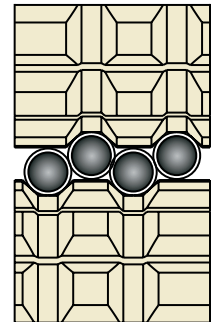
10/8 Kit

| Part No. | Qty | Description |
|----------|-----|----------------|
| 08780720 | 1 | Lower Belt |
| 08780721 | 1 | Upper Belt |
| 08780724 | 1 | Rear Bracket |
| 08780742 | 1 | Rear Guide |
| 08780739 | 1 | 5 Hole Venturi |
| 08780741 | 5 | Duct Caps |
| 08780740 | 5 | Duct Valves |
| 08780748 | 1 | Proofing Balls |
| 08645705 | 1 | Duct Grip |



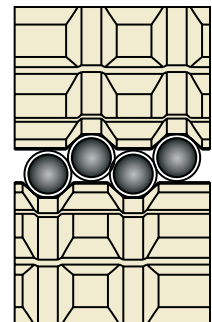
12/10 Kit

| Part No. | Qty | Description |
|----------|-----|----------------|
| 08780722 | 2 | Belts |
| 08780724 | 1 | Rear Bracket |
| 08780732 | 1 | Rear Guide |
| 08780725 | 1 | 4 Hole Venturi |
| 08780731 | 4 | Duct Caps |
| 08780730 | 4 | Duct Valves |
| 08780750 | 1 | Proofing Balls |
| 08645705 | 1 | Duct Grip |



12.7 Kit

| Part No. | Qty | Description |
|----------|-----|----------------|
| 08780722 | 2 | Belts |
| 08780724 | 1 | Rear Bracket |
| 08780732 | 1 | Rear Guide |
| 08780771 | 1 | 4 Hole Venturi |
| 08780774 | 4 | Duct Caps |
| 08780776 | 4 | Duct Valves |
| 08780750 | 1 | Proofing Balls |
| 08645705 | 1 | Duct Grip |



CABLE BLOWING

Micro Duct Accessories

Micro Duct Pressure Gauge Kit

Micro duct needs to be pressurized between 100-120 PSI to prevent the duct from being damaged during installation.

| Part Number | Description |
|-------------|---------------------------|
| 08780705 | Micro Duct Pressure Gauge |



Kit Includes:
Pressure gauge Universal
claw adapter

Y-Block

Features & Benefits

- Portable
- Easy to Use
- Duct Range 1.315 – 2.375 OD
- Cable Seal Range 0.35 – 0.90 OD
- Aluminum Construction
- Built-in Carrying Handles
- Canvas Storage Bag

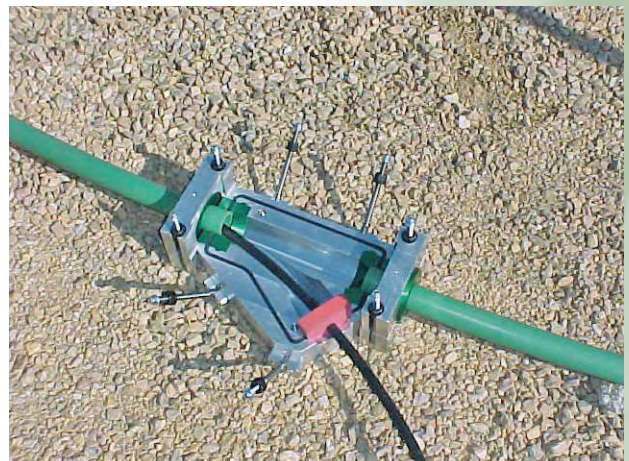
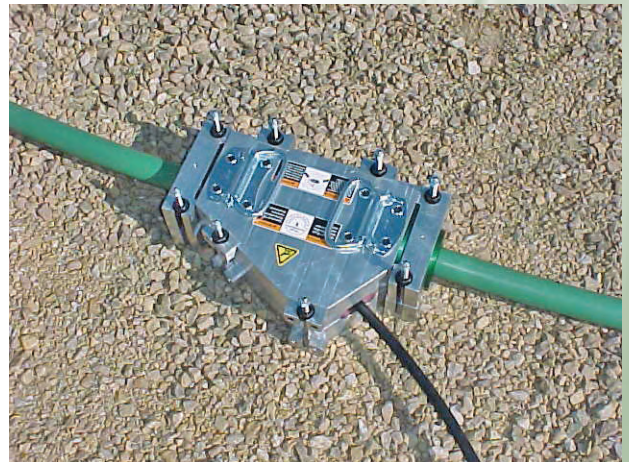
Common Parts Package

Common Parts Package (included with all Y-Blocks) includes:

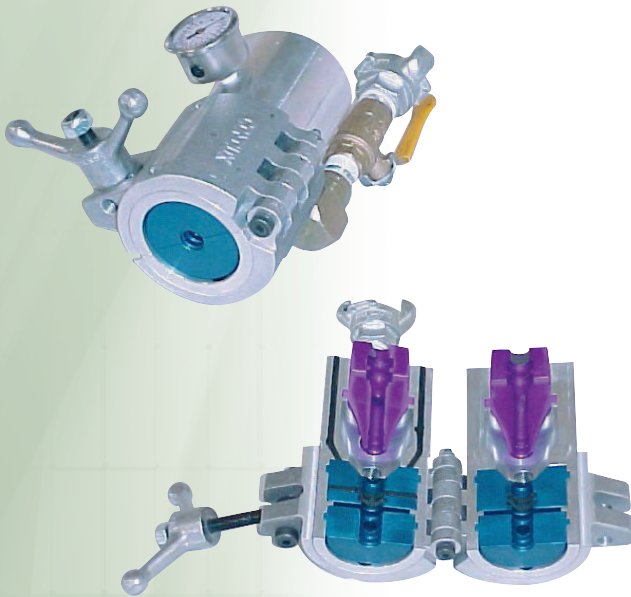
| Part Number | Description |
|-------------|------------------------------------|
| 02283800 | All Wrench 3/32" |
| 02283900 | Socket Hex Deep Well 11/16" |
| 02284000 | Ratchet, 3/8" Drive 6.75 in Long |
| 08761443 | Kit Seal Replacement |
| 08761868 | Inflatable Shuttle for 1.00-1.25 |
| 08761869 | Inflatable Shuttle for 1.50 - 2.00 |
| 08761884 | Cable Seal for .35 - .50 Cable |
| 08761885 | Cable Seal for .51 - .90 Cable |
| 08761438 | Capscrew Set |

Y-Block Duct Packs (sold separately)
(Each duct pack comes with 2-seals & 2-clamps).

| Part Number | Description | Duct OD |
|-------------|------------------------------|---------|
| 08761386 | DUCT PK,Y-BLOCK 1.315 (33.4) | 1.315 |
| 08761826 | DUCT PK,Y-BLOCK 1.570 (40.0) | 1.570 |
| 08761387 | DUCT PK,Y-BLOCK 1.660 (42.2) | 1.660 |
| 08761388 | DUCT PK,Y-BLOCK 1.900 (48.3) | 1.900 |
| 08761389 | DUCT PK,Y-BLOCK 2.375 (60.3) | 2.375 |



Hand Held Fiber Blower



Part # 08764000

The Condux hand held fiber blower is ideal for shorter run fiber optic cable or micro fiber optic cable installations. The unit's hinged design makes it easy to install and remove duct and fiber. The Condux hand held fiber blower installs fiber from 0.20 inches (5.8 mm) to 1.13 inches (28.7 mm) into duct from 0.39 inches (10 mm) to 1.90 inches (48.26 mm). The unit is also ideal for installing flat fiber. **Note: For best results, utilizing the Condux Micro Fiber Carrier Kit is recommended when installing micro fiber.**

Common Parts Package

Common Parts Package (included with all Hand-held Blowers) includes:

| Part No. | Description |
|----------|-----------------------------|
| 02288787 | Allen Wrench 2.5 mm |
| 08780126 | Seal Replacement |
| 08780223 | Venturi Plug |
| 02289297 | Capscrew Set (M06) |
| 02288596 | Capscrew Set (M04-0.7 x 16) |
| 02288926 | Capscrew Set (M04-0.7 x 10) |

Features & Benefits

- Portable & Lightweight
- Easy to Use
- Duct Range 10 mm – 16 mm OD
- Cable Seal Range 5.8 mm – 15.2 mm OD
- Built in Air Gauge
- Aluminum Construction
- Hinged Design

Flat Fiber Pack

| Pack | Cable Pack | | Cable Seal | |
|------|------------|---------------------|---|-----|
| | Cable OD | P/N | Cable OD | P/N |
| 3 | (10-12.7) | 08780755 Pack #3 | Nylatron Venturi for Flat Fiber Optic Cables | |

Hand Held Fiber Blower Accessories

Innerduct Eyes for Micro Duct

Tapered buttress threads into the micro duct for maximum pulling strength.

| Part Number | Description |
|-------------|---|
| 08913547 | Innerduct Eyes for Micro Duct (5-9 mm ID) |
| 08913545 | Innerduct Eyes for Micro Duct (10-12 mm ID) |



Multiple Pulling Harness for Micro Duct Installation

Six leg harness with 3-inch separation between legs for installing micro duct into existing innerduct.

| Part Number | Description |
|-------------|--------------------------|
| 08549350 | Multiple Pulling Harness |



Micro Fiber Carrier Kit

Designed to attach to the central strength member (CSM) of the cable. The seals are sized to accommodate the proper ID duct size for maximization of the blowing distances and create an airtight seal in the duct.

| Part Number | Description |
|-------------|-------------------------|
| 08764090 | Micro Fiber Carrier Kit |



Seal kit comes with the following items:

| Push-On Retainers | | Disc Carriers | | | |
|-------------------|-------------|---------------|-------------|----------|-------------|
| Part No. | Description | Part No. | Description | Part No. | Description |
| 02289350 | 1.5 mm | 08764118 | 8 mm | 02284200 | Loctite |
| 02289351 | 2.0 mm | 08764128 | 10 mm | 02284600 | Calipers |
| 02289352 | 2.5 mm | 08764138 | 12 mm | | |
| 02289353 | 3.0 mm | 08764148 | 14 mm | | |

PSI Shuttles

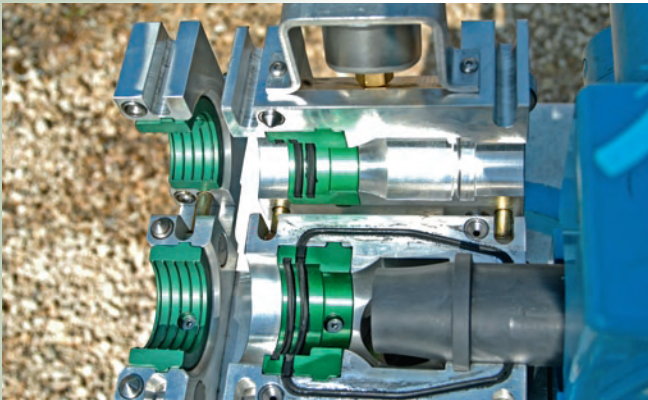
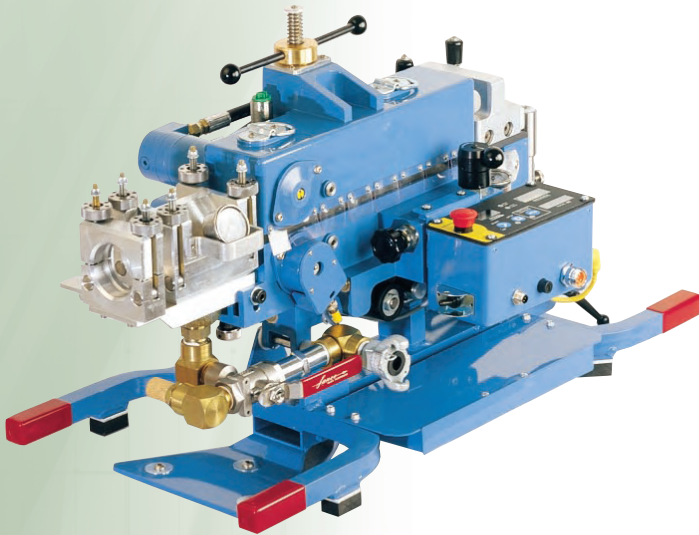
These unique, flexible shuttles are available in triple parachute configuration, making rope, pull tape and fiber optic cable installation in occupied duct a breeze. These shuttles can be used on their own or in series allowing for up to six parachutes to capture the air within the conduit, which can help increase installation distances. The parachutes collapse without constant air pressure allowing for easy pullback.



| Part Number | Duct Size | |
|-------------|-----------|-------|
| | (in) | (mm) |
| 08761868 | 1.00-1.25 | 25-32 |
| 08761869 | 1.50-2.00 | 38-50 |

Fiber Optic Cable Blower

CABLE BLOWING



Fiber Optic Cable Blower

Ideal for “Last Mile” Fiber Installations

As a leader in the manufacture of cable installation tools and equipment, Condux offers a superior Fiber Optic Cable Blower that is compact and lightweight, making it ideally suited for your most difficult job sites and “last mile” fiber installations. An updated design has increased portability and made operation easier than ever.

Fast

Install up to 300 feet of fiber optic cable per minute (90 m/min). The cable travels at the same speed as the air! A carrier is always attached to the front of the cable. Compressed air propels the carrier and cable through the air-tight sealed duct. And, because air flow and tractor drive speed can be adjusted, you can install fiber at the rate which best suits any application.

Total Control

The Condux Fiber Optic Cable Blower features longer tractor feed grip area for less stress on the cable, and a hydraulic cylinder on the tractor feed to better control down pressure. Condux’s patented traction control system shuts down the blower when problems with cable slippage or duct blockage are detected, adding safety to every job and preventing costly cable damage.

A speed and distance counter with LCD read-out, as well as convenient hydraulic and pneumatic controls, come standard with the Condux Fiber Optic Cable Blower. Blowers equipped with the Advanced Electronic Control System will shut down if slippage, over-speed or cable stoppage is detected.

Versatility

The Condux Fiber Optic Cable Blower operates efficiently with most common combinations of cable and innerduct sizes. The Fiber Optic Cable Blower is designed for the installation of fiber optic cables with diameters from 0.23" (5.8 mm) to 1.13" (28.7 mm) into innerduct from 0.98" (25 mm) outer diameter to 1.97" (50.0 mm) outer diameter.

The correct size cable seals, cable grips and venturi must be determined for the cable being installed. Also necessary are the correct size innerduct seals, clamps and carrier for the innerduct being occupied.

Use the charts on page 11 to determine the correct size components for your specific cable and innerduct installation project. Use both the size and color reference to ensure the correct selection each time the Cable Blower is used.

LW Fiber Optic Cable Blower

The Condux Fiber Optic Cable Blower is easy to order. The base unit comes complete with a job box, hydraulic hoses and everything listed on the next page in the “Common Parts Package.” Complete the order by specifying the cable pack(s) and duct pack(s) necessary to meet your exact job requirements. A full description of the cable and duct packs is on page 10. You may order additional cable and duct packs at any time.

| Base Part No. | Description |
|---------------|--------------------------|
| 08782000 | Fiber Optic Cable Blower |



Condux Fiber Optic Cable Blower shown with: Common Parts Package (included with all units), Cable Pack #1-4 and Duct Pack #1-4 (not included).

Compressed Air Cooler

Extreme heat can inhibit fiber optic cable installation and damage fiber optic cable and duct. When cable blowing, air is compressed and heat is generated. For example, air that enters a compressor at 100° F (37° C) exits the compressor at 350° F (176° C). At this temperature, fiber optic cable jacket and duct softening can occur. Heat problems can also occur if the duct run is exposed to direct sunlight. The Condux Compressed Air Cooler can help prevent heat damage to fiber optic cable and duct during cable blowing operations.

The Condux Compressed Air Cooler cools compressed air from a maximum temperature of 350° F (176° C), to within 20° F (11° C) of the ambient temperature. For example, if the ambient temperature is 100° F (37° C), air from the air compressor enters the air cooler at 350° F (176° C). That air will leave the cooler at approximately 120° F (49° C). Cooling the air reduces the chances of heat damage to the cable and duct.

The Condux Compressed Air Cooler also removes moisture from the air. Water from humid air can dilute cable blowing lubricant and collect in the duct run.

Use of the Condux Compressed Air Cooler is recommended when ambient air temperatures reach 90° F (32° C) or more and/or the duct is exposed to direct sunlight.

Minimum ambient operating temperature: 35° F (1° C)

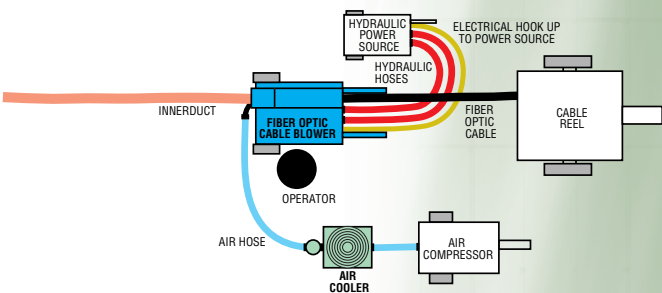
Maximum inlet operating temperature: 350° F (176° C)

Maximum operating pressure: 250 psi (17 bar)

| Part Number | Description |
|-------------|-------------|
| 08761700 | Air Cooler |



Compressed Air Cooler
Note: Recommended when installing micro duct.



Cable & Duct Parts Packs

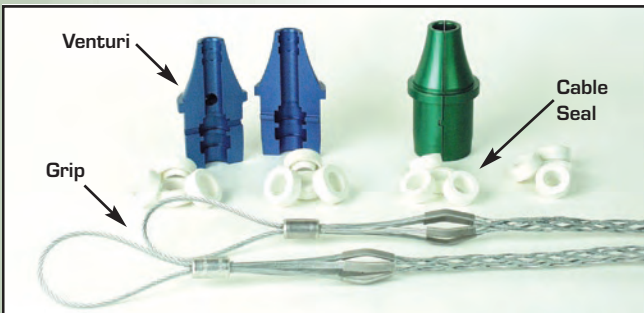
Common Parts Package [Standard with LW Blower] Part # 08780120

Common Parts Package (included with all blower units) includes:

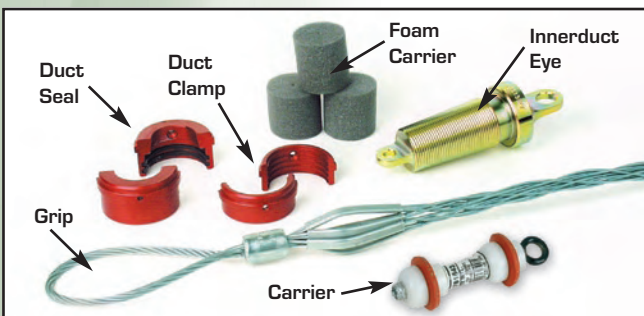
- Allen Wrench (2.5 mm)
- Spanner Wrench
- Venturi Air Plug (Seal Disk)
- 5/8" x 600 lb Swivel (16 mm x 2,669 N)
- Small Case w/Foam Insert
- Small Divided Case w/Parts Label
- 2 Pin Extension Cord
- Capscrew Set (12-M04-0.7)
- Power Cord Assembly w/Lighter Plug
- 1 qt. Blowing Lubricant
- O-Ring Seal Kit
- Canvas Bag
- Allen Wrench (3/32")
- 20' (6 m) Hydraulic Hose Set

Cable and Duct Packs

Cable Packs include Cable Grips (for end of cable), Pneumatic Venturies and Cable Seals. See page 11 for ordering information.



Duct Packs include Cable Grip (for end of inner-duct), Cable Carrier, Innerduct Clamps, Innerduct Seals, Innerduct Pulling Eye and Foam Carriers. See page 11 for ordering information.



| MICRO DUCT PACKS | | | | Innerduct Eye | |
|-------------------|-------------|------------|-----------|---------------|----------|
| Duct Size OD (MM) | Part Number | Duct Clamp | Duct Seal | ID Range | P/N |
| 10 | 08764140 | 08764142 | 08764143 | 5-9 mm | 08913547 |
| 12 | 08764110 | 08764112 | 08764113 | 10-12 mm | 08913545 |
| 12.7 | 08764150 | 08764151 | 08764153 | 10-12 mm | 08913545 |
| 14 | 08764120 | 08764122 | 08764123 | 10-12 mm | 08913545 |
| 16 | 08764130 | 08764132 | 08764133 | 10-12 mm | 08913545 |



Replacement Cable Packs

| PACK | CABLE PACK | | VENTURI | | CABLE SEAL | | CABLE GRIP | |
|------|--------------------------|---------------------|--------------------------|-------------------------|--------------------------|----------|--------------------------|-------------------------|
| | Cable OD | P/N | Cable OD | P/N | Cable OD | P/N | Cable OD | P/N |
| 1 | 0.23-0.34 (5.8-8.8) | 08780393 Pack #1 | 0.23-0.34 (5.8-8.8) | 08780281 Purple | 0.23-0.28 (5.8-7.2) | 08780406 | 0.21-0.35 (5.3-8.9) | 08643754 033-29-1194 |
| | | | | | 0.29-0.34 (7.3-8.8) | 08780407 | | |
| 2 | 0.35-0.60 (8.9-15.2) | 08780394 Pack #2 | 0.35-0.48 (8.9-12.2) | 08780282 Blue | 0.35-0.42 (8.9-10.7) | 08761424 | 0.32-0.48 (8.1-12.2) | 08643755 033-29-1195 |
| | | | | | 0.43-0.48 (10.8-12.2) | 08761425 | | |
| | | | 0.49-0.60 (12.3-15.2) | 08780283 Green | 0.49-0.55 (12.3-14.0) | 08761426 | 0.42-0.61 (10.7-15.5) | 08643756 033-29-1196 |
| | | | | | 0.56-0.60 (14.1-15.2) | 08761427 | | |
| 3 | 0.61-0.85 (15.3-21.6) | 08780395 Pack #3 | 0.61-0.73 (15.3-18.5) | 08780284 Red | 0.61-0.67 (15.3-17.0) | 08761428 | 0.53-0.74 (13.5-18.8) | 08643757 033-29-1197 |
| | | | | | 0.68-0.73 (17.1-18.5) | 08761429 | | |
| | | | 0.74-0.85 (18.6-21.6) | 08780285 Gold | 0.74-0.79 (18.6-20.1) | 08761430 | 0.64-0.87 (16.3-22.1) | 08643758 033-29-1198 |
| | | | | | 0.80-0.85 (20.2-21.6) | 08761431 | | |
| 4 | 0.86-1.13 (21.7-28.7) | 08780396 Pack #4 | 0.86-0.97 (21.7-24.6) | 08780286 Clear Alum. | 0.86-0.92 (21.7-23.4) | 08761432 | 0.75-1.00 (19.1-25.4) | 08643759 033-29-1199 |
| | | | | | 0.93-0.97 (23.5-24.6) | 08761433 | | |
| | | | 0.98-1.13 (24.7-28.7) | 08780446 Black | 0.98-1.04 (24.7-26.4) | 08761434 | 1.00-1.24 (25.4-31.5) | 08643137 033-03-013 |
| | | | | | 1.05-1.13 (26.5-28.7) | 08761435 | | |

Replacement Duct Packs

| PACK | DUCT PACK | | DUCT CLAMP | | DUCT SEAL | | CARRIER | | FOAM CARRIER | | CABLE GRIP | | INNERDUCT EYE ID Range |
|------|----------------------|----------------------|-----------------|-------------------------|-----------------|-------------------------|------------------------------|----------------------|----------------|----------|--------------------------|------------------------|---------------------------|
| | Duct Size | P/N | Duct OD | P/N | Duct OD | P/N | Carrier | P/N | Carrier OD | P/N | Duct OD | P/N | |
| 1 | 3/4" SDR 11-13.5 | 08780680 Pack #1 | 1.050 (26.6) | 08780682 Green | 1.050 (26.6) | 08780685 Green | 0.75 (19.0) | 08780690 | 0.75 (19.0) | 08078300 | 1.00-1.24 (25.4-31.5) | 08643137 033-03-013 | .71-.87 (18.0-22.1) |
| 2 | 1" SDR 11/13.5 | 08780386 Pack #2 | 1.315 (33.4) | 08780369 Blue | 1.315 (33.4) | 08780307 Blue | 1.121 (28.5) | 08761250 | 1.25 (31.8) | 08761439 | 1.00-1.24 (25.4-31.5) | 08643137 033-03-013 | 1.37-1.68 (34.8-42.7) |
| 3 | 1.25" SDR 11/13.5 | 08780392 Pack #3 | 1.660 (42.2) | 08780375 Green | 1.660 (42.2) | 08780051 Green | 1.414 (35.9) | 08761255 | 1.50 (38.1) | 08761440 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.10-1.50 (27.9-38.1) |
| 4 | 1.5" SDR 11/13.5 | 08780397 Pack #4 | 1.900 (48.3) | 08780404 Red | 1.900 (48.3) | 08780398 Red | 1.618 (41.1) | 08761260 | 1.75 (44.5) | 08761441 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.34-1.74 (34.0-44.1) |
| 5 | 25 mm | 08780240 Pack #5 | 0.984 (25.0) | 08780099 Orange | 0.984 (25.0) | 08780134 Orange | 0.787 (20.0) | 08780230 | 1.25 (31.8) | 08761439 | 1.00-1.24 (25.4-31.5) | 08643137 033-03-013 | 0.63-1.00 (16.0-25.4) |
| 6 | 32 mm | 08780385 Pack #6 | 1.260 (32.0) | 08780368 Gold | 1.260 (32.0) | 08780306 Gold | 1.063 (27.0) | 08761560 | 1.25 (31.8) | 08761439 | 1.25-1.49 (31.8-37.8) | 08643143 033-03-015 | 0.80-1.25 (20.3-31.7) |
| 7 | 36 mm | 08780387 Pack #7 | 1.417 (36.0) | 08780370 Red | 1.417 (36.0) | 08780308 Red | 1.181 (30.0) 1.220 (31.0) | 08761643 08761555 | 1.25 (31.8) | 08761439 | 1.25-1.49 (31.8-37.8) | 08643143 033-03-015 | 1.10-1.50 (27.9-38.1) |
| 8 | 37 mm | 08780388 Pack #8 | 1.457 (37.0) | 08780371 Blue-Gray | 1.457 (37.0) | 08780309 Blue-Gray | 1.220 (31.0) | 08761555 | 1.25 (31.8) | 08761439 | 1.25-1.49 (31.8-37.8) | 08643143 033-03-015 | 1.10-1.50 (27.9-38.1) |
| 9 | 1.25" TRUE | 08780389 Pack #9 | 1.500 (38.1) | 08780372 Clear Alum. | 1.500 (38.1) | 08780333 Clear Alum. | 1.250 (31.7) | 08761670 | 1.50 (38.1) | 08761440 | 1.25-1.49 (31.8-37.8) | 08643143 033-03-015 | 1.10-1.50 (27.9-38.1) |
| 10 | 40 mm | 08780390 Pack #10 | 1.575 (40.0) | 08780373 Black | 1.575 (40.0) | 08780334 Black | 1.299 (33.0) | 08761579 | 1.50 (38.1) | 08761440 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.10-1.50 (27.9-38.1) |
| 11 | 42 mm | 08780391 Pack #11 | 1.653 (42.0) | 08780374 Blue-Gray | 1.653 (42.0) | 08780335 Blue-Gray | 1.378 (35.0) | 08761660 | 1.50 (38.1) | 08761440 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.10-1.50 (27.9-38.1) |
| 12 | 44 mm | 08780545 Pack #12 | 1.732 (44.0) | 08780546 Gold | 1.732 (44.0) | 08780547 Gold | 1.496 (38.0) | 08761786 | 1.50 (38.1) | 08761440 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.10-1.50 (27.9-38.1) |
| 13 | 46 mm | 08780460 Pack #13 | 1.811 (46.0) | 08780466 Blue | 1.811 (46.0) | 08780461 Blue | 1.299 (33.0) | 08761579 | 1.50 (38.1) | 08761440 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.10-1.50 (27.9-38.1) |
| 14 | 50 mm | 08780575 Pack #14 | 1.969 (50.0) | 08780435 Blue | 1.969 (50.0) | 08780431 Blue | 1.606 (40.0) | 08761579 | 2.00 (50.8) | 08761442 | 1.50-1.99 (38.1-50.5) | 08643149 033-03-016 | 1.34-1.74 (34.0-44.1) |

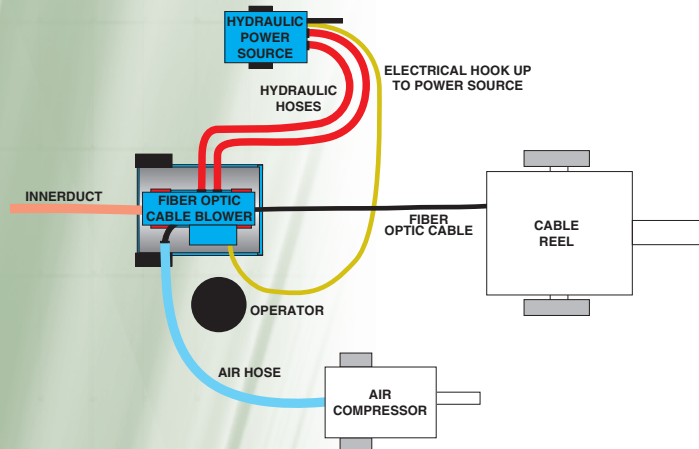
CABLE BLOWING

These portable power sources are matched perfectly to the power requirements of the Condux Fiber Optic Cable Blower. Features large capacity hydraulic cooler, quick disconnects, low oil shut-off and pneumatic tires.

| Part Number | Description |
|-------------|--|
| 08675700 | 9 HP Hydraulic Power Pack, gas (5.9 GPM @ 1800 psi) |
| 08675200 | 16 HP Hydraulic Power Pack, gas (8.2 GPM @ 2000 psi) |
| 08675210 | 16 HP Hydraulic Power Pack Cover |



| Specifications | | | | | | | |
|---------------------------------|-------------------------------------|-------|-----------|-----|--|-------|-----------|
| Power Pack Size | 9 HP Hydraulic Power Pack | | | | 16 HP Hydraulic Power Pack | | |
| Use Product | HD Fiber Optic Cable Blower | | | | Fiber Optic Cable Puller | | |
| Part Number | 08675700 | | | | 08675200 | | |
| Hyd. System | Open Center | | | | Open Center | | |
| Frame Type | Two wheel mobile unit | | | | Two wheel mobile unit | | |
| Length | 26.5 in (673 mm) | | | | 35.0 in (889 mm) | | |
| Width | 20.0 in (508 mm) | | | | 29.0 in (736 mm) | | |
| Height | 27.5 in (698 mm) | | | | 32.0 in (812 mm) | | |
| Weight (Dry) | 143 lbs (64.9 kg) | | | | 233 lbs (105.6 kg) | | |
| Filtration | 10 Micron Return Line Canister Type | | | | 10 Micron Return Line Canister Type | | |
| Oil Cooler | Air to Oil | | | | Air to Oil | | |
| Engine | Gas | | | | Gas | | |
| | Honda, 9 HP (6.7 kW) @ 3,600 RPM | | | | Briggs & Stratton V-Twin Vanguard, 16 HP (11.9 kW) @ 3,600 RPM | | |
| Fuel | 1.6 gallons/6.1 liters | | | | 5.0 gallons/18.9 liters | | |
| Hydraulic Oil (Useable) | 5.0 gallons/18.9 liters | | | | 5.0 gallons/18.9 liters | | |
| Hydraulic Rated Flow | GPM @ PSI | | LPM @ BAR | | GPM @ PSI | | LPM @ BAR |
| | 6.8 | 0 | 25.8 | 0 | 9.1 | 0 | 34.4 |
| | 5.9 | 1,800 | 22.4 | 125 | 8.2 | 2,000 | 31.0 |
| Hydraulic Relief Valve Pressure | 2,150.0 PSI (148.3 BAR) | | | | 2,150.0 PSI (148.3 BAR) | | |



Accessories/Replacement Parts

| Part Number | Description |
|-------------|---|
| 08675858 | Hydraulic Hose Kit, 20' (6 m) Hose with Couplings |
| 02260000 | Hydraulic Coupling, Female Flat Face Faster 2FFN38-12NPT-F Bruning FF371-8FP |
| 02260100 | Hydraulic Coupling, Male Flat Face Faster 2FFN38-12NPT-M Bruning FF372-8FP |
| 02260200 | Dust Cap, Male Coupling |
| 02260201 | Dust Cap, Female Coupling |

Lubrication

CABLE BLOWING



Using a cable blower to install fiber optic cable greatly reduces the stress and friction placed on the cable compared to other installation methods. However, it does not

eliminate it. In order to further reduce drag and friction, cable blowing lubricant is required.

Cable blowing lubricants are specially formulated to prevent drying out during the blowing process. Standard water and wax based lubricants evaporate prematurely and can not be used with the blowing process.

After the duct system has been pressure tested, the run is then pre-lubricated. Approximately 1 quart (1 liter) of silicon based lubricant per 6,000 feet (2 km) of duct is poured into the duct and a foam carrier is blown through the run. This step is designed to test duct integrity and prepare the conduit run for cable installation.

Next, approximately 1/2 quart (.5 liter) of cable blowing lubricant per 6,000 feet (2 km) of duct is poured into the duct in front of the cable carrier. Lubricant in front of the cable carrier limits the amount of friction between the rubber seals of the cable carrier and the inside wall of the innerduct. Ultimately, less force is needed in order to push the cable carrier through the duct system.

Finally, approximately 1/2 quart (.5 liter) of cable blowing lubricant per 3,000 feet (1 km) of duct is placed behind the cable carrier. Lubricant placed behind the cable carrier further reduces the drag of the cable through the bends and curves of the duct.

PRE-LUBRICATE:

1 quart (1 liter) of cable blowing lubricant per 6,000 feet (2 km) of duct poured in front of foam carrier:

LUBRICATE:

1 quart (1 liter) of cable blowing lubricant per 6,000 feet (2 km) of duct poured in front of cable carrier:

1/2 quart (.5 liter) of cable blowing lubricant per 3,000 feet (1 km) of duct poured behind cable carrier:

Polywater® Prelube 2000™

Specially formulated for use with Fiber Optic Cable Blowing Systems, Polywater® Prelube 2000™ has been field proven with the Condux Fiber Optic Cable Blower. This lubricant is a special lubricant used to prelubricate the conduit system before installing the cable. Prelube 2000 is compatible with all types of cable jackets and conduit types.

| Part Number | Description | Std. Pkg. Qty. |
|-------------|-----------------------------------|----------------|
| 08230600 | 1 Quart (0.9 liter) Summer Grade | 12/case |
| 08230601 | 1 Gallon (3.8 liter) Summer Grade | 4/case |
| 08230605 | 5 Gallon (19 liter) Summer Grade | |

Polywater® W-Prelube 2000™

Polywater® W-Prelube 2000™ Winter Grade is a non-freezing form of the standard Polywater Prelube 2000™.

| Part Number | Description | Std. Pkg. Qty. |
|-------------|-----------------------------------|----------------|
| 08230900 | 1 Quart (0.9 liter) Winter Grade | 12/case |
| 08230901 | 1 Gallon (3.8 liter) Winter Grade | 4/case |
| 08230904 | 2.5 Gallon (9 liter) Winter Grade | 2/case |
| 08230905 | 5 Gallon (19 liter) Winter Grade | |

Polywater® Prelube 5000™

Polywater® Prelube 5000™ is more concentrated than the Prelube 2000™. It is intended for blowing microcable into small diameter microtubes. The improved chemistry allows this product to spread further and lower friction low coasting levels. The lower viscosity allows practical application into the microtubes.

| Part Number | Description | Case Lots |
|-------------|--------------------------|-----------|
| 08230675 | Polywater® Prelube 5000™ | 6/case |



Accessories

Innerduct Pressure Test Kit

Use the Innerduct Pressure Test Kit to test innerduct integrity before setting up the Fiber Optic Cable Blower. The duct system must be able to withstand and hold 150 psi (10.3 bar) for the Cable Blower to work properly.

| Part Number | Description |
|-------------|---|
| 08761457 | Pressure Test Kit for 1", 1¼" & 1½" SDR 11 & 13.5 Innerduct <ul style="list-style-type: none"> Control Valve Assembly Seal-Off Heads Pulling Eyes Pulling Grips Tool Box |

Other Components Available

| Part Number | Description |
|-------------|---|
| 08034318 | Seal-Off Head for 2.00" SDR 11 & 13.5 Innerduct |
| 08913412 | Pulling Eye for 2.00" SDR 11 & 13.5 Innerduct |
| 08643155 | Pulling Grip for 2.00" SDR 11 & 13.5 Innerduct |



Innerduct Couplings

Split Innerduct Couplings

Reusable aluminum coupling for temporarily joining all types of innerduct during the cable blowing process.



| Part Number | Nominal Duct Size | | Duct Type | Mean Duct O.D. | |
|-------------|-------------------|------|-------------------|----------------|------|
| | (in) | (mm) | | (in) | (mm) |
| 08676710 | 1.00 | 25 | 1" SDR 11 & 13.5 | 1.315 | 33 |
| 08676712 | 1.25 | 32 | 1¼" SDR 11 & 13.5 | 1.660 | 42 |
| 08676715 | 1.50 | 38 | 1½" SDR 11 & 13.5 | 1.900 | 48 |
| 08676720 | 2.00 | 51 | 2" SDR 11 & 13.5 | 2.375 | 60 |



Condu-Grip™ Threaded Coupling Patent Pending

Condu-Grip™ Innerduct Couplings

The one-piece Condu-Grip™ Threaded Coupling is capable of providing an airtight seal up to 150 psi and remain watertight under external pressures up to 50 psi. Field assembly is quick and easy, requiring only basic tools.

| Part Number | Nominal Duct Size | | Duct Type | Mean Duct O.D. | |
|-------------|-------------------|------|---------------|----------------|------|
| | (in) | (mm) | | (in) | (mm) |
| 08566510 | 1.00 | 25 | OD Controlled | 1.315 | 33 |
| 08566520 | 1.25 | 32 | OD Controlled | 1.660 | 42 |
| 08566530 | 1.50 | 38 | OD Controlled | 1.900 | 48 |
| 08566540 | 2.00 | 51 | OD Controlled | 2.375 | 60 |



ETCO Double "E-Loc"® Innerduct Couplings

ETCO Double "E-Loc"® Innerduct Couplings

ETCO Double "E-Loc"® Innerduct Couplings are pressure tight up to 200 psi (13.8 bar) when restrained or buried and can maintain these pressures unrestrained. They are watertight, contain no metal parts and can be hand tightened.

| Part Number | Nominal Duct Size | Duct Type | Duct O.D. | | Coupling Length when tight | |
|-------------|-------------------|-----------|-----------|------|----------------------------|------|
| | | | (in) | (mm) | (in) | (mm) |
| 08676510 | 1" IPS | Smooth | 1.315 | 33 | 6.25 | 159 |
| | 1.34" OD | Ribbed | 1.340 | 34 | 6.25 | 159 |
| 08676511 | 1.42" OD | Smooth | 1.420 | 36 | 6.25 | 159 |
| | 1½" SDR 9 | Ribbed | 1.460 | 37 | 6.25 | 159 |
| 08676512 | 1.50" O.D. SDR 11 | Smooth | 1.500 | 38 | 6.25 | 159 |
| 08676513 | 1¼" True 1.125 ID | Smooth | 1.530 | 39 | 6.25 | 159 |
| | 1¼" OD | Ribbed | 1.575 | 40 | 6.25 | 159 |
| 08676514 | 1.60" OD | Smooth | 1.600 | 41 | 6.25 | 150 |
| 08676515 | 1¼" IPS | Smooth | 1.660 | 42 | 6.25 | 159 |
| | 1¼" OD | Ribbed | 1.700 | 43 | 6.25 | 159 |
| 08676516 | 1½" True SDR 9 | Ribbed | 1.830 | 46 | 8.25 | 210 |
| 08676517 | 1½" True SDR 9 | Smooth | 1.830 | 46 | 8.25 | 210 |
| 08676518 | 1½" IPS | Smooth | 1.900 | 48 | 8.25 | 210 |
| 08676520 | 2" IPS | Smooth | 2.375 | 60 | 8.50 | 216 |

Push-Fit Couplers

Coupler is a unique push-fit Hi-Tech coupler for HDPE cable ducts and is suitable for both blowing and pulling installation methods. The push-fit method ensures easy and simple assembly and disassembly. Suitable for HDPE cable ducts rated SDR-11 or SDR-13.5.

| Part Number | Description | Duct O.D. | |
|-------------|--------------------------|-----------|------|
| | | (in) | (mm) |
| 08566110 | Coupling, 1.00 Push fit | 1.315 | 33.4 |
| 08566112 | Coupling, 1.25 Push fit | 1.660 | 42.2 |
| 08566115 | Coupling, 1.900 Push fit | 1.900 | 48.3 |
| 08566120 | Coupling, 2.375 Push fit | 2.375 | 60.3 |

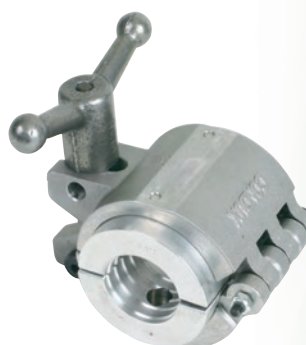


Speed Ball Split Coupling

Hinged aluminum split coupling for temporarily joining all types on innerduct during a cable blowing process.

Note: Inserts are sold separately.

| Part Number | Description |
|-------------|----------------------|
| 08676844 | Hinged Coupling Body |



Insert Specifications

| Part Number | Nominal Duct Size | | Duct Type | Mean Duct O.D. | |
|-------------|-------------------|-------|------------------------|----------------|-------|
| | (in) | (mm) | | (in) | (mm) |
| 08676859 | 1.00 | 25 | 1" SDR 11 & 13.5 | 1.315 | 33 |
| 08676860 | 1.25 | 32 | 1¼" SDR 11 & 13.5 | 1.660 | 42 |
| 08676861 | 1.50 | 38 | 1½" SDR 11 & 13.5 | 1.900 | 48 |
| 08676862 | 2.00 | 51 | 2" SDR 11 & 13.5 | 2.375 | 60 |
| 08676863 | | 40 | 40 mm | 1.575 | 40 |
| 08676864 | | 46 | 46 mm | 1.810 | 46 |
| 08676830 | 1.50-2.00 | 38-60 | 1½" & 2" SDR 11 & 13.5 | 1.900-2.375 | 48-60 |

*Inserts include rubber seal.



Complete Line of Cable Installation Equipment



Fiber Optic Cable Puller



Innerduct
Pulling Eyes



Break-Away
Swivels



Conduit Measuring
& Pull Tape

Complete Cable Installation Guide



The 172 page catalog contains over 600 photographs and illustrations depicting a wide range of underground and aerial products and applications. Let Condux make your next cable installation job faster, easier and safer.



CONDUX INTERNATIONAL, INC.

145 Kingswood Drive • PO Box 247
Mankato, MN 56002-0247 U.S.A.
1.507.387.6576 • 1.800.533.2077 (U.S. & Canada)
FAX 1.507.387.1442

e-mail: condxinfo@condux.com • www.condux.com

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