



TRUST US TO GO TO GREAT LENGTHS



TUBING & HOSES
EDITION TWO



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Copely manufactures in
accordance with the
ISO 9001 : Approved
Quality Manufacturing
Standard





WELCOME TO COPELY

CODEFLEX 4-16

CR, C, PVK, SA, PHR, PH, ECV, ESD, BRN, GPA, FRH, GPD, GPW, CPR, CPU, CPC, LDP, PTFE, GHY, LGH, GH, LH, LHM

COPLEXEL 17-19

CX, CXL, LFR, LX

EUROLON 20-24

NMSF, NLF, NMF, NLR, NMR, NHR, AVAC, BES, EC, EPS

SUCTION / DISCHARGE 25-28

AH, DH, MDS, FDH, WR, MSH, FOS

Copely has for over 50 years been at the forefront of the thermoplastic hose and tube manufacturing industry, and enjoys recognition throughout the world as a market leader in its field.

During this time, Copely has established an enviable reputation for innovation in terms of both product design and associated process equipment, setting the global standard for high quality hose and tube manufacture.

More recently, in 2010, Copely became part of the dynamic and successful COBA International group, yet again marking another exciting chapter for our company, our customers and our employees.

At Copely, we listen to our customers to deliver high levels of customer care, through our commitment to quality and reliability. We confidently and competitively offer an extensive range of quality hose, tube and strip products, with a reliable solution for most applications.

Should we not have an 'off-the-shelf' solution, we are always happy to discuss new products with customers. During product development, our dedicated project management teams work closely with customers and material suppliers.

This trust and flair for innovation has over the years galvanised many successful European and international alliances. It has also brought with it many unique, very often pioneering, products into the market.

As a COBA International group company, Copely now has even greater technical and logistical resources to support our design, manufacturing, technology and supply capabilities.

A new era, a new Copely has arrived and by that we mean 'evolution, not revolution'!



CODEFLEX

Codeflex, designed by Copely, marked the introduction of PVC as a material used in hose manufacture as a replacement for heavy rubber.

It is the original superior balanced high performance hose first launched into the market in the 1960's following Copely's development of the innovative Spiralap technology.

The three layer construction is designed to give flexibility and durability for optimum performance and perfect balance.

Codeflex has evolved over the years through continuous improvement to become one of Copely's best-sellers for a wide variety of industries and a market leader around the world.

CODEFLEX GLASS CLEAR REINFORCED

CR SERIES

Codeflex Glass Clear is an EC compliant, low toxic PVC hose widely used for a diverse range of applications for the transfer of food, water, air, chemicals, gas, fuels and oils. This multi-purpose, high quality all-round performer is one of the original hoses in the Copely range that remains as universally popular today, especially for the conveyance of air and water.

KEY FEATURES:

- | Excellent glass clear transparency for clear visibility.
- | Good flexibility for ease of use.
- | Resistant to a wide range of chemicals including many acids / alkalis.
- | Abrasion resistant. Thicker wall gives medium to heavy duty durability for improved resistance to abrasion.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effective and balanced pressure hose.
- | EC compliant for food contact applications.
- | RoHS compliant.
- | Manufactured from cadmium and silicone-free materials, using a specialist PVC that can reduce the taint of drinking water.
- | Service temperature = -15°C to + 60°C.
- | Manufactured in accordance with ISO 5774.
- | 4:1 safety factor.

SIZES:

- | Available in 30m coils
- | 6mm-50mm ID
- | Custom sizes available on request

COLOURS:

- | Black (6mm-25mm ID)
- | Clear, Red, Blue, Green, Yellow (6mm – 50mm ID)
- | Custom sizes and colours available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | Widely used by the caravan industry for piping water and chemicals.
- | Popular for pharmaceutical / scientific applications for the transfer of chemicals.
- | Air applications such as pneumatic tools.
- | For the transfer of food substances and liquids.



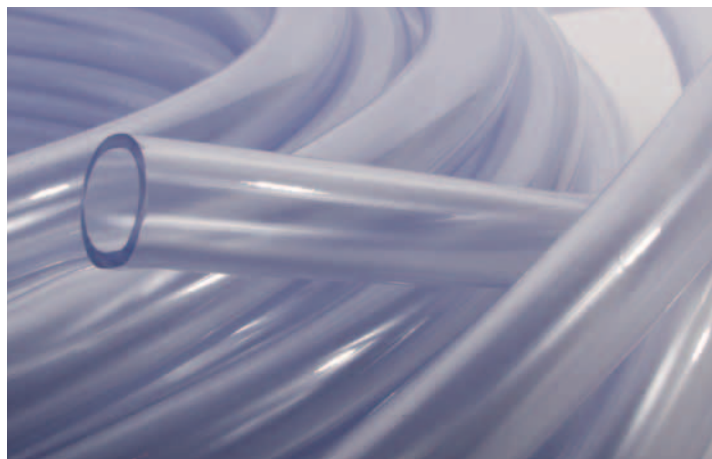
CODEFLEX CLEAR UNREINFORCED

C SERIES

Codeflex clear PVC hose, suitable for both low pressure food and industrial applications, is manufactured from the highest quality, low-toxic materials to give excellent clarity, flexibility and durability over a wide temperature range.

KEY FEATURES:

- | Glass clear transparency for easy visibility.
- | Excellent abrasion and corrosion properties for increased durability.
- | Good flexibility for ease of use.
- | Manufactured from cadmium and silicone-free materials using a special low toxic, odourless PVC formulation that can reduce the taint of drinking water.
- | EC compliant for food contact applications.
- | RoHS compliant.
- | Suitable for use with alcohol, petrol, oils, greases and solvents.
- | Highly resistant to a wide range of acids and alkalis.
- | Service temperature = -15°C to + 60°C.



SIZES:

- | Available in 30m coils
- | 3mm-50mm ID

COLOURS:

- | Clear
- | Custom sizes and colours (translucent and opaque) available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | General industrial applications.
- | Scientific.
- | Pharmaceutical.
- | Medical.



An economical, light duty hose ideal for multi-purpose use, PVK Glass Clear is especially popular for industrial airline equipment. It can also be used for food contact applications. Manufactured from transparent, low toxic PVC and reinforced with high tensile polyester fibres.

KEY FEATURES:

- | An effective, functional choice for a diverse range of applications especially when budget is a factor.
- | Glass clear clarity for excellent visibility.
- | Excellent resistance to abrasion.
- | Manufactured from cadmium and silicone-free materials using a special low toxic, odourless PVC formulation that can reduce the taint of drinking water.
- | Suitable for food, water, chemicals, gas, fuel and oils.
- | EC compliant for food contact applications.
- | RoHS compliant.
- | Highly resistant to a wide range of acids and alkalis.
- | Service temperature = -15°C to + 60°C.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effective and balanced pressure hose.
- | Manufactured in accordance with BS EN ISO 6224.
- | 3:1 safety factor @ 23°C.

SIZES:

- | Available in 30m coils
- | 6.3mm-50mm ID

COLOURS: ○

- | Clear
- | Custom sizes and colours available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | A wide variety of shop floor airline applications.
- | Popular for pharmaceutical / scientific applications for the transfer of chemicals.
- | For the transfer of food substances and liquids.

CODEFLEX SUPER AIR 20

Codeflex Super Air 20 is manufactured from superior quality PVC specifically selected and developed for higher working pressures in both low and high temperature environments. The softer PVC provides increased flexibility which is carefully counter-balanced with reinforcement for a longer life expectancy.

KEY FEATURES:

- | Superior performance in both low and high temperature conditions.
- | Extremely flexible and durable.
- | Excellent abrasion, ageing and ultra-violet ray resistance.
- | Good anti-kink characteristics and minimum flow loss.
- | Low toxicity – materials are EC compliant.
- | Highly resistant to a wide range of acids and alkalis.
- | Service temperature -15°C to + 60°C.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effective and balanced pressure hose.
- | Printed with Codeflex Super Air, dimensions and working pressure.
- | 3:1 safety factor @ -15°C + 60°C.

SIZES:

- | Available in 50m coils
- | 6.3mm-25mm ID
- | Custom sizes available on request subject to minimum order quantity

COLOURS: ○

- | Beige with Codeflex Super Air 20 printed details

APPLICATION EXAMPLES:

- | General industrial.
- | Garage forecourt / outdoor environment.
- | Automotive industry.
- | Agricultural i.e crop spraying.

AQUAVEND REINFORCED PVC

PHR SERIES

The market leader, Codeflex Aquavend provides the ultimate in multi-layered pressure hose for the conveyance of mains water, incorporating the latest co-extrusion technology for superior performance.

KEY FEATURES:

- | Aquavend will not support microbiological growth.
- | WRAS approved construction. Certification available on request or downloadable from www.copely.com
- | Cadmium and silicone-free.
- | Manufactured using Copely's unique ultra-hygienic heat bonding technology eradicating the need for chemicals.
- | High quality PVC outer extruded with a brilliant white 'clinical' finish.
- | TPE mirror smooth inner for improved flow.
- | Odourless and taint free specialist materials.
- | Good flexibility and durability.
- | Excellent resistance to abrasion.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effectively balanced pressure hose.
- | Good kink resistance across a wide temperature range.
- | Independently tested in accordance with BS 6920.



SIZES:

- | Available in 30m coils
- | 6.3mm-25mm ID

COLOURS:

- | White
- | Custom sizes and colours available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | Vending Machines.
- | Water Softeners.
- | Drinking Water.
- | Popular with the caravan and marine industry for water supply tubing.

AQUAVEND UNREINFORCED

PH SERIES

A high quality, low pressure tube finished in ultra-clean brilliant white designed primarily for the conveyance of mains cold water, incorporating innovative co-extrusion technology for flexibility and durability.

KEY FEATURES:

- | Aquavend will not support microbiological growth in accordance with BS 6920.
- | WRAS approved construction. Certification available on request or downloadable from www.copely.com
- | Cadmium and silicone-free.
- | High quality PVC outer extruded with a brilliant white 'clinical' finish.
- | TPE mirror smooth inner for improved flow.
- | Odourless and specialist material prevents tainting the taste of water.
- | Good flexibility and durability.
- | Excellent resistance to abrasion.
- | Compatible with latest push-in fittings.
- | NB: Routing of this tubing should not run in close proximity to hot water pipes and other heat sources.
- | Independently tested in accordance with BS 6920.
- | 3:1 safety factor @ -23°C.



SIZES:

- | Available in 30m coils
- | 6.4mm & 9.5mm OD
- | Custom sizes available on request subject to minimum order quantity.

COLOURS:

- | White Outer / Black Inner

APPLICATION EXAMPLES:

- | Low pressure brine tubing.
- | Water transfer tubing.
- | Chemical / Petrochemical / Hydrocarbon transfer tubing.

FLEXIBLE DUAL CONTAINMENT HOSE

PHR & ECV SERIES



It was Copely who initiated the first Flexible Dual Containment Hose giving double protection for utilities customers requiring increased environmental safety for the conveyance of water and chemicals, which has become an industry standard.

Codeflex Aquachem and Codeflex Hydrachem flexible, multi-layered reinforced heavy-duty PVC hoses reduce the need and associated risks of multiple terminations inherent with rigid systems. Installation is easier and safer.

KEY FEATURES:

- | WRAS approved construction – ideal for water treatment plants and sewage works.
- | Aquachem – TPE lined – suitable for the safe conveyance of drinking water and chemical dosing.
- | Hydrachem – LDPE lined - for resistance to differing chemicals used by the water industry.
- | Easy to install – can be pulled off a reel through ducting in one continuous length.
- | Good flow characteristics (mirror-smooth inner) with fewer terminations.
- | Extremely durable, yet flexible.
- | Abrasion resistant.
- | Silicone and Cadmium-free.
- | Extruded brilliant white finish to easily identify blemishes.
- | Prochem® designed connectors recommended.
- | Removes the need for catchment pots or alarm systems.
- | Liner independently tested in accordance with BS 6920.

SIZES:

- | 6mm – 50mm ID in lengths up to 1000m (lengths subject to size of containment) – supplied on drums.

COLOURS

- | Brilliant white with black liner



APPLICATION EXAMPLES:

- | Used by Water Authorities in water treatment plants and sewage works.
- | Also used by the nuclear fuels industry for the transfer of waste particles.
- | Used for some industrial applications including car manufacturing plants for the safe transfer of anti-freeze.



EXTRA-FLEXIBLE ESD ANTI-STATIC HOSE

ESD SERIES

Designed specifically for electro-static sensitive environments, Anti-Static Hose is the effective hosing solution for areas with potentially damaging static build-up. Widely used by the electronics industry and developed in collaboration with a leading manufacturer of pneumatic tools.

KEY FEATURES:

- | Effective anti-static properties to reduce the risk of electro-static damage.
- | Highly flexible, reinforced PVC hose.
- | Tested in accordance with BS ISO 2878:2005, SP- Method. 2472 section7, rev 1 and section7.3, rev 1
- | Typical electrical resistance recorded at between $(3 \times 10^3$ ohms per metre (minimum) and 1×10^8 ohms per metre (maximum).
- | Low toxic liner suitable for food use.
- | Cadmium and silicone-free.
- | Resistant to a wide range of chemicals.
- | Abrasion-resistant.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of $54^\circ 44'$ (54.73°) creates an effective and balanced pressure hose.
- | Service temperature -15°C to $+60^\circ\text{C}$.
- | 4:1 safety factor.



SIZES:

- | Available in 30m coils
- | 6mm, 8mm, 10mm & 13mm ID
- | Custom sizes available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | Widely used by the electronics industry – especially computers.
- | Pneumatic tools and equipment in electro-static sensitive areas.

COLOURS:

- | Black inner / Clear outer

MEDICAL ANTI-STATIC PVC GAS HOSE

BRN SERIES

Copely is recognised as being the largest European manufacturer of high quality medical gas hose and is the market leader in anaesthesia hose following decades of innovation and development.

KEY FEATURES:

- | Reinforced anti-static, low toxic liner.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of $54^\circ 44'$ (54.73°) creates an effective and balanced pressure hose.
- | Exceptional performance and renowned for reliability.
- | Conforms to BS EN ISO 5359:2008 meeting the current criteria for use with low pressure medical gases.
- | Cadmium and silicone free.
- | Carefully selected materials conforming to BS ISO 2878:2005 Electrical Conductivity.
- | Medical colour standards.
- | Striped hoses for mixed gases.
- | Resistant to a wide range of chemicals.



SIZES:

- | Available in 30m coils
- | 6.5mm, 8mm & 10mm ID
- | Custom sizes available on request subject to minimum order quantity.

COLOURS:

- | White Outer = Oxygen
- | Blue Outer = Nitrous Oxide
- | Yellow Outer = Medical Vacuum
- | Black Outer = Medical Air
- | Mixed Gas (striped) available on request subject to minimum order quantity.



SIZES:

- | Available in 30m coils
- | 6mm-25mm ID
- | Black with triple yellow stripe with CD approved quality logo.
- | Custom sizes and lengths available on request subject to minimum order quantity.

COLOURS:



- | Black / Yellow (6mm-10mm)
- | Yellow (12mm-25mm)

APPLICATION EXAMPLES:

- | Popular for general workshop environments for compressed air tools (medium to heavy duty) and spray guns.
- | Construction industry use such as road breakers.
- | General industrial – oil, grease solvents, air and water applications.

GPA Universal is the cost-effective, high-performance TPE alternative to rubber hosing. While looking and feeling like rubber, it has many advantages including a longer lifespan. Manufactured from a hard wearing PVC Nitrile blend, this ergonomically-friendly super-flexible product is a real winner in many industrial environments.

KEY FEATURES:

- | A universal performer suitable for conveying many chemicals, solvents, fuels, oils, greases, compressed air and water.
- | PVC Nitrile blend gives good abrasion and ageing resistance – superior to rubber.
- | Clean, flexible and user-friendly.
- | Reduced plasticizer migration.
- | High visibility triple stripe.
- | Excellent resistance to UV / Ozone.
- | Silicone and Cadmium free.
- | Fire retardancy Rating – CO1 25% Oxygen.
- | Service Temperature - 15°C to + 60°C.
- | 3:1 safety factor.

FIRST AID FIRE HOSE



SIZES:

- | Available in 30m coils
- | 19 mm and 25mm ID
- | Custom sizes available on request subject to minimum order quantity.

APPLICATION EXAMPLES:

- | Fixed fire reel hoses in buildings –exterior or interior.

COLOURS:



- | Red outer / black inner

Fully compliant with EN694, the renowned First Aid Fire Hose combines the benefits of both rubber and PVC to produce a superior quality, reliable product that is today a European market leader in the emergency hose market.

KEY FEATURES:

- | Exceeds the requirements of EN694.
- | Good flexibility and durability.
- | Balanced and lighter in weight for easier handling.
- | Outstanding UV / Ozone resistance making it suitable for indoor and outdoor use.
- | Type A construction consisting of a seamless rubber/PVC lining; a textile reinforcement with a elastomeric rubber/plastics cover.
- | Cadmium and silicone free.
- | Resistant to a wide range of chemicals.
- | 3:1 safety factor.

GRAVITY FEED HOSE

GPD SERIES

A hose that has evolved through Copely's ongoing development of rubber PVC alloy (TPE) products. Gravity Feed is specifically designed as a diesel drop hose with excellent flexibility and fire retardancy properties.

KEY FEATURES:

- | Resistance to oils, fuels and hydrocarbons.
- | Good flexibility.
- | Excellent abrasion resistance.
- | Outstanding UV / Ozone resistance.
- | Cadmium and silicone free.
- | 3:1 safety factor.



Data Sheets Available Online
www.copely.com

SIZES:

- | Available in 50m coils
- | 19 mm and 25mm ID

COLOURS: ○

- | Black

APPLICATION EXAMPLES:

- | Widely used by agriculture for the transfer of diesel.
- | General industrial fuel / oil / chemical transfer.

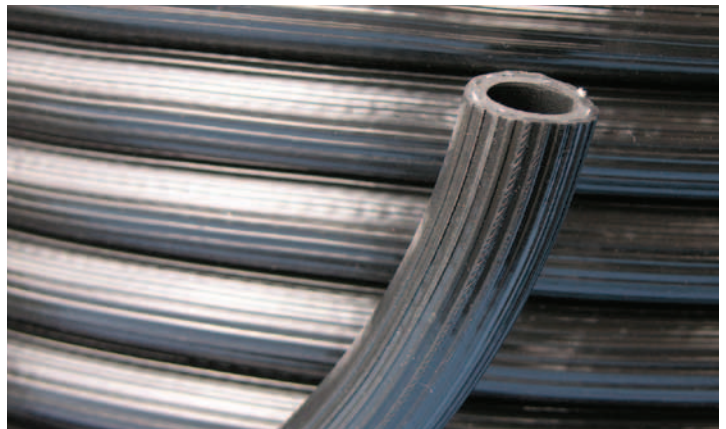
FLUTED WATER HOSE

GPW SERIES

A robustly constructed reinforced PVC 'fluted' hose which has proven to be the preferred choice for building site contractors and for use in agriculture for the conveyance of water.

KEY FEATURES:

- | Durable 'fluted' protective outer cover designed to minimise friction.
- | Flexible for ease of handling.
- | Excellent abrasion resistance.
- | Outstanding UV / Ozone resistance.
- | Cadmium and Silicone free.
- | Conforms to BS 3746: 1990
- | 3:1 safety factor.



SIZES:

- | Available in 50m coils
- | 13mm, 19mm and 25mm ID

COLOURS: ○

- | Black

APPLICATION EXAMPLES:

- | Water transfer use such as on building sites and for agricultural environments.

POLYURETHANE REINFORCED HOSE

CPR SERIES



A polyurethane hose with outstanding elasticity providing excellent flexibility and kink-resistance, even in extreme cold conditions.

KEY FEATURES:

- | Ultra-flexible in low temperature environments.
- | Exceptional abrasion resistance.
- | Resistant to a wide range of chemicals.
- | Compliant with F&DA regulations.
- | Excellent clarity for clear visibility.
- | High levels of kink resistance and good memory.
- | 85 Shore A hardness.
- | Service Temperature -40°C to + 65°C.

SIZES:

- | Available in 30m coils
- | 6mm - 25mm ID

COLOURS:



- | Clear

APPLICATION EXAMPLES:

- | Conveyance of gases, liquid, dry powders and granules (especially where good abrasion characteristics are required).

POLYURETHANE TUBE

CPU SERIES



Suitable for a wide range of applications, such as pneumatic control systems, demanding a flexible and cut-resistant tube with maximum kink-resistance and minimum kink memory.

KEY FEATURES:

- | Low temperature flexibility.
- | Exceptional abrasion resistance.
- | Maximum kink-resistance; minimum kink memory.
- | Resistant to a wide range of chemicals.
- | Compliant with F&DA regulations.
- | Easy to fit in confined spaces.
- | Meets the standards of the push fit type couplings.
- | Silicone free.
- | 95/98 Shore A hardness.
- | Service Temperature -40°C to + 55°C.
- | 4:1 safety factor.

SIZES:

- | Available in 30m coils
- | 4mm, 6mm, 8mm, 10mm & 12mm OD

APPLICATION EXAMPLES:

- | Pneumatic control systems.
- | Fuel and lubrication lines.
- | Chemical transfer tubing.

COLOURS:



- | Blue
- | Black
- | Red
- | Clear
- | Yellow
- | Green



POLYURETHANE COMPACT COILS

CPC SERIES

Designed to overcome the limitations of traditional nylon preformed coil, Polyurethane Compact Coils offer excellent resistance to abrasion, oils and kinking, as well as improved flexibility.

KEY FEATURES:

- | Preformed with press in swivel couplings complete with springs.
- | Excellent resistance to abrasion.
- | Very good kink resistant characteristics.
- | Complies with current F&DA regulations.
- | Useful for confined areas limited by space / bend radius.
- | Service Temperature -20°C to + 65°C.
- | Maximum working pressure: 10 bar.

SIZES:

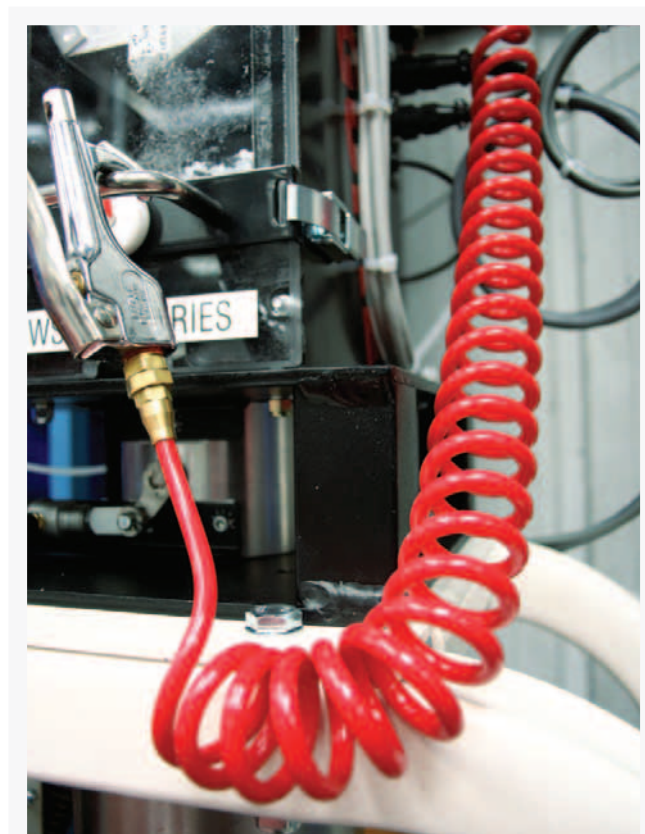
- | Available in 2m – 8m working lengths.
- | 8mm, 10mm & 12mm OD
- | Press in 1/4" and 3/8" BSPT press in swivel couplings complete with springs.

APPLICATION EXAMPLES:

- | Industrial applications using air tools, instrumentation, robotics.

COLOURS: ● ●

- | Red
- | Blue
- | Custom colours available on request.



LOW DENSITY POLYETHYLENE

LDP SERIES



A low cost hosing solution for an extensive range of applications for use in ambient conditions. Low Density Polyethylene flexible tubing is a popular choice for the brewery industry for the conveyance of beer and soft drinks, as well as water for domestic services.

KEY FEATURES:

- | High impact strength at low temperatures.
- | Resistant to many liquids and chemicals.
- | Low toxic.
- | F&DA approved.
- | Silicone-free.
- | Very flexible.
- | 4:1 safety factor.

SIZES:

- | Available in 30m coils
- | 6mm, 8mm, 10mm & 12mm OD

COLOURS:



- | Natural
- | White
- | Blue
- | Black

APPLICATION EXAMPLES:

- | Conveyance of beer and soft drinks.
- | Domestic drinking water systems.
- | Water treatment industry for chemical dosing.
- | Scientific and pharmaceutical chemical transfer.

White, Blue and Black are subject to a minimum order quantity.

POLYTETRAFLUORETHYLENE

PTFE SERIES



Premium quality PTFE, extruded from a chemically inert compound, is an outstanding performer in high temperature or chemical aggressive environments and is the trusted choice for aerospace, medical and chemical applications.

KEY FEATURES:

- | Exceptional performance and reliability even in extreme heat conditions.
- | Outstanding chemical resistance.
- | Inert, taste-free and F&DA approved.
- | Excellent electrical insulation properties.
- | Fire retardancy V0 rated.
- | Effective weathering properties.
- | Service Temperature -60°C to + 250°C.

APPLICATION EXAMPLES:

- | Aerospace, Medical, Chemical, Electrical, pneumatics and general industrial.

SIZES:

- | Available up to 100m coils
- | 3mm - 15mm OD

COLOURS:



- | Natural

EXTRAFLEX REINFORCED WATER HOSE

GHY SERIES

The choice of agricultural and horticultural professionals, this 100% PVC heavy duty water hose incorporates Copely's innovative Spiralap technology for improved longevity and performance in all climatic conditions. An all-year round trusted favourite that retains its flexibility whatever the weather. It is compatible with all leading brands of water hose fittings.

KEY FEATURES:

- | Exceeds the requirements of BS 3746:1990.
- | Improved low temperature flexibility.
- | Good abrasion resistance.
- | Effective kink resistance.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effectively balanced pressure hose.
- | 3:1 safety factor.



SIZES:

- | Available in 25m and 50m coils
- | 12.5mm, 19mm & 25mm ID

APPLICATION EXAMPLES:

- | In agriculture for irrigation.
- | Heavy duty industrial use.

COLOURS:



- | Yellow with black inner

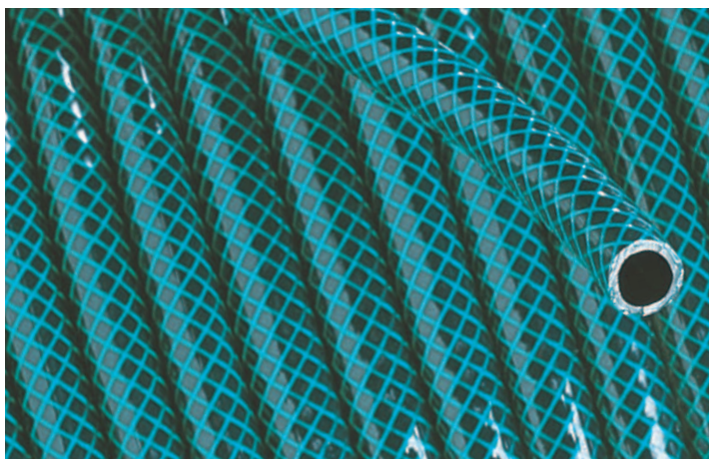
FOUR SEASONS REINFORCED HOSE

LGH & GH SERIES

A hugely popular garden hose that is supplied for domestic and professional use worldwide, and one that is today renowned for its flexibility, performance and reliability. The design incorporates Copely's Spiralap technology for a longer lifespan.

KEY FEATURES:

- | Good flexibility.
- | Effective kink resistance.
- | Good abrasion resistance.
- | Made from Cadmium-free materials.
- | Silicone-free.
- | Suitable for use at -15°C to +60°C.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effectively balanced pressure hose.
- | Inner layer is made from a carefully controlled recycled material.
- | Conforms to BS 3746: 1990.



SIZES:

- | Available in 15m, 30m & 50m coils
- | 12mm & 19mm ID

APPLICATION EXAMPLES:

- | Domestic and professional garden hose.

COLOURS:



- | Green tint outer and black inner



INDUSTRIAL LAYFLAT HOSE

LH & LHM SERIES

A general purpose layflat hose, manufactured from plasticized PVC, for low pressure transfer of water and chemicals available in two grades – Light Duty Blue and Medium Duty Yellow.

KEY FEATURES:

- | Compact in design.
- | Made from Cadmium-free materials.
- | Resistant to a wide range of chemicals.
- | Silicone-free.
- | Good resistance to abrasion.
- | Provides good flexibility.
- | Operating temperature -25°C to +60°C.
- | Minimal electrical conductivity.
- | Tough and durable for longer lifespan.
- | Fast transfer of liquids.
- | Nominal 5 Bar working pressure (Light Duty).
- | Nominal 7 Bar working pressure (Medium Duty).

APPLICATION EXAMPLES:

- | Suitable for drainage, water supply, irrigation and sprinkler systems.
- | Also can be used for chemical transfer such as liquid fertilisers and other agricultural chemicals.

SIZES:

- | Available in 100m coils
- | ID 25mm - 207mm

COLOURS:

- | Blue (Light Duty)
- | Yellow (Medium Duty)

LIGHT DUTY BLUE



MEDIUM DUTY YELLOW





COPLEXEL

Coplexel is the ultimate in lightweight, ultra-flexible, high performance hose with excellent anti-kink properties.

This high quality range of reinforced PVC hose was borne out of Copely's pioneering 'braidlok' technology in a design that has proved a winner through and through in many industrial environments.

The Coplexel hose delivers superior performance yet is a fraction of the weight of many conventional hoses for optimum operator comfort. Coplexel hose benefits from improved tensile strength and excellent flexibility / recovery.

MULTI-PURPOSE REINFORCED PVC HOSE

CX SERIES



A high quality, exceptionally flexible PVC hose borne out of technical innovation and superior quality materials that now stands a firm favourite for industrial use. Lightweight, its ergonomic design reduces operator fatigue and associated strains, helping to improve overall productivity without compromising on performance and durability.

KEY FEATURES:

- | Extremely flexible.
- | Lightweight and user-friendly.
- | Excellent kink-resistance.
- | RoHS compliant.
- | EC compliant for food contact applications.
- | High resistance to acids and alkalis.
- | Good abrasion resistance.
- | Silicone-free.
- | Service temperature -15°C to +60°C.
- | Conforms to ISO 5774.
- | 4:1 safety factor at +20°C.

SIZES:

- | Available in 30m coils
- | 6mm – 19mm ID

COLOURS:



- | Black
- | Blue
- | Red
- | Other colours and sizes available against minimum order quantity.

APPLICATION EXAMPLES:

- | Busy, high volume production lines.
- | Predominantly used for air supply but can also be used for water.



AIR-CORD ULTRA FLEXIBLE AIR HOSE

CXL SERIES



Coplexel Air-Cord, as used by the largest air tool manufacturer in the world, is a revelation in super-supply, premium quality hosing considered to be the lightest air tool hose of its type featuring Braidlok technology for optimum performance.

KEY FEATURES:

- | Exceptional flexibility and memory for maximum air flow.
- | Ultra lightweight for ease of use.
- | Effective oil resistance.
- | Superior kink-resistance.
- | Cadmium-free.
- | Silicone-free.
- | RoHS compliant.
- | EC compliant for food contact applications.
- | Distinctive metallic blue finish.
- | Service temperature -15°C to +60°C.
- | Conforms to ISO 5774.
- | 4:1 safety factor at +23°C.

SIZES:

- | Available in 30m coils
- | 6mm, 8mm, 10mm & 12mm ID

COLOURS:



- | Metallic Blue
- | Other colours available on request.

APPLICATION EXAMPLES:

- | Specifically designed for air tools and air applications.
- | Also suitable for general industrial use for water, chemicals and gas.

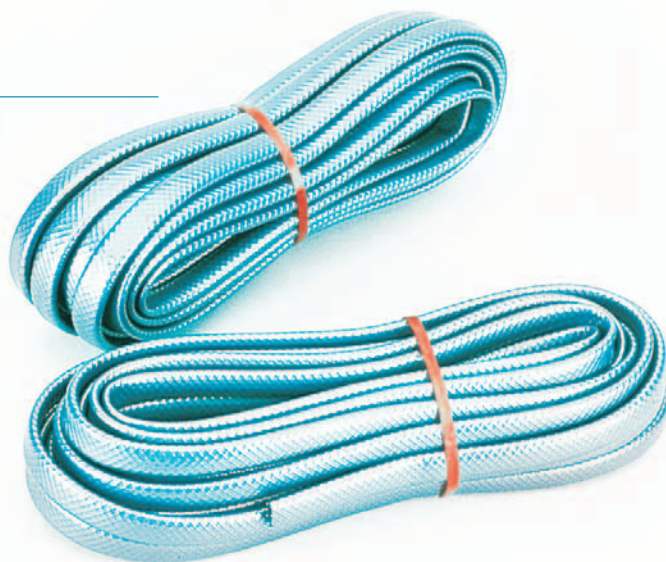
SEMI-FLAT MULTI-PURPOSE HOSE

LFR SERIES

A space saving innovation in high performance hose that can save up to 70% in storage space. Semi-Flat Multi-Purpose is lightweight, extremely flexible and utilizes Copley's unique Braidlok technology.

KEY FEATURES:

- | Occupies just a third of storage space normally required for round hoses of a similar size.
- | Ultra-flexible.
- | Lightweight and operator-friendly.
- | Excellent kink-resistance.
- | RoHS compliant.
- | EC compliant for food contact applications.
- | High resistance to acids and alkalis.
- | Good abrasion resistance.
- | Silicone-free.
- | Service temperature -15°C to +60°C.
- | 4:1 safety factor at +20°C.



APPLICATION EXAMPLES:

- | Busy, high volume production lines where space is a premium.
- | Predominantly used for air supply but can also be used for water.

SIZES:

- | Available in 30m coils
- | 10mm ID
- | Other sizes and lengths available on request.

COLOURS:

- | Metallic Blue

MARINE SUPERFLAT

LX SERIES

A space saving, drain-easy universal reinforced leisure hose which is a popular choice for the caravan and marine industry for the conveyance of water. Marine SuperFlat features quality Braidlok technology and is supplied with deluxe quick-release fittings and an easy to handle dispensary wheel.

KEY FEATURES:

- | Compact for convenient space-saving storage.
- | Highly flexible.
- | Lightweight and user-friendly.
- | Easily drained.
- | Compatible with most leading brand garden fittings.
- | Silicone-free.
- | Made from Cadmium-free materials.
- | Supplied with Deluxe Quick-Release Fittings – Universal tap connector and adjustable spray nozzle.



APPLICATION EXAMPLES:

- | Filling water tanks for showering / cleaning purposes for caravans / marine.
- | Wash down purposes for the caravan and marine industry.
- | Also suitable for domestic garden use.

SIZES:

- | Available in 20m coils (with cassette)
- | 12mm ID

COLOURS:

- | Opaque Blue
- | Other lengths and colours available on request (supplied without cassette).

Accessories



Tap and hose fitting accessories available with the Marine Superflat hose.



EUROLON

A range of flexible and semi-rigid nylon tubing, including brake and airline coils, manufactured to precise dimensional tolerances using laser and ultra-sonic measuring equipment.

Premium quality Eurolon is available in a wide selection of vibrant colours for many industrial applications useful when colour-coding is imperative.

Eurolon is a popular option for pneumatic control cabinets, paint spraying and for agricultural equipment, as well as for commercial vehicle air brakes.

SUPERFLEX NYLON

NMSF SERIES

Superflex, developed for compact pneumatic control systems, provides superior flexibility, negating the need for elbow fittings. This pliable nylon tubing, with an extremely high impact resistance and quality finish, simply pushes into a coupling for ease of use and is used worldwide by the pneumatics industry.

KEY FEATURES:

- | Superior flexibility.
- | Resistant to a wide range of chemicals.
- | Silicone-free.
- | RoSH compliant.
- | High impact resistance.
- | Service temperature -40°C to +80°C.
- | Manufactured in accordance with BS 5409.

NYLON TUBING – FLEXIBLE

NLF & NMF SERIES

Industrial nylon tubing in the established Eurolon range extruded from Polyamides 11 and 12 in flexible nylon grades, available in metric and imperial sizes.

TYPE 11: is ideal for low toxic or high temperature environments such as for breweries or applications involving food contact. Please note this is a special order and available subject to minimum order quantities.

TYPE 12: is the standard stock option.

KEY FEATURES:

- | Flexible, lightweight and durable over a wide temperature range.
- | Mirror smooth inner for improved flow.
- | Manufactured from heat and light stabilised Type 12 Nylon to precise tolerances.
- | Available on dispensing drums.
- | Resistant to a wide range of chemicals.
- | High resistance to moisture absorption.
- | Manufactured in accordance with BS 5409, DIN 73378 & DIN 74324.
- | Supplied in both metric and imperial sizes.
- | Silicone-free.
- | Excellent abrasion resistance.
- | 4:1 safety factor.

NYLON TUBING – SEMI-RIGID

NLR, NMR & NHR SERIES

All the features of the Flexible nylon tubing but produced in a Semi-Rigid nylon material.



EUROLON

APPLICATION EXAMPLES:

- | Widely used by the pneumatics industry.
- | Suitable for use in air brake, fuel and lube applications as well as instrumentation and secondary air systems.
- | Ideal for production lines (industrial and automotive) requiring long lengths and minimum wastage.

SIZES:

- | Available in 30m coils.
- | 4mm-28mm OD (4mm - 12mm Stock item).
- | Imperial sizes available on request.

COLOURS:

- | Natural
- | Black
- | Red
- | Blue
- | Green
- | Yellow



ARTICULATED VEHICLE BRAKE COILS

AVAC SERIES

The UK's best selling DIN specification air brake coils that are truly flexible, durable and reliable, developed and manufactured by Copely to the highest criteria.

KEY FEATURES:

- Manufactured from heat and light stabilised Type 12 Nylon to precise tolerances in accordance with DIN 74323, DIN 73378 & DIN 74324.
- High resistance to moisture absorption.
- Resistant to a wide range of chemicals.
- Available in Eurocoil, Push-In Coil and Continental.

BLACK EUROPEAN SPECIFICATION

BES SERIES

European standard air brake coils specific to IVECO, Man, Mercedes and Volvo. As per (BES) Black European Specification.

KEY FEATURES:

- Coils are black with colour coded anti-kink springs for identification purposes, complete with end fittings suitable for specified vehicles.
- Ensures correct configuration to suit vehicle manufacturers' specification.
- All coils have 20 turns and a working length of 4.2m.
- Suitable for both horizontal and vertical applications.
- Manufactured from heat and light stabilised Type 12 Nylon to precise tolerances in accordance with DIN 74323.
- High resistance to moisture absorption.
- Resistant to a wide range of chemicals.

SIZES:

- 3.35m to 4.55m working lengths (16 to 22 turns)
- Finished internal coil diameter: 90mm
- Printed with CD logo and 'AVAC DIN 74323/ DIN 73378/ DIN 74324 12 x 1.5 PA12 MONTH & YEAR'

COLOURS:

- Black
- Emergency Trailer Lines Red
- Service Trailer Lines Yellow
- Auxiliary Trailer Lines Blue

EUROCOIL

Incorporating 12mm nylon tube manufactured to DIN 74323, DIN 73378 & DIN 74324 standards. DIN spec compression end fittings including colour-coded anti-kink spring.

PUSH-IN COIL

Incorporating 12mm nylon tube manufactured to DIN 74323, DIN 73378 & DIN 74324 standards. End fittings include a push-in fitting, colour-coded anti-kink spring.



Air Brake Couplings

A selection of press-in couplings in various thread types are available in M18 x 1.5 and M16 x 1.5 to suit OEM: Iveco, Scania, Mercedes, Volvo, etc.

COMPACT PREFORMED AIRLINE COILS

EC SERIES

An off-the-shelf solution satisfying all market sectors requiring a lightweight Type 12 Nylon airline coil with high resistance to oil, organic and non-organic media.

KEY FEATURES:

- | Excellent flexibility / retention.
- | Light weight.
- | Superior flow characteristics.
- | BSPT (British Standard Pipe Taper) Male Swivel fittings (compression) complete with anti-kink spring.
- | Suitable for horizontal and vertical applications.
- | Temperature range -40°C to +80°C.
- | Maximum working pressure = 15 bar.

APPLICATION EXAMPLES:

- | For use with industrial air tools such as production line assembly.



SIZES:

- | 8mm, 10mm & 12mm OD in working lengths of 2.5m, 5m, 10m and 15m
- | Fittings 1/4 BSPT and 3/8 BSPT

COLOURS:



- | Red
- | Blue

PAINT & FLUID HOSE

EPS SERIES

A higher pressure, multi-purpose 'four layer' chemical transfer hose suitable for paint, fluid, air and solvents. Light and flexible to use, it is also non-conductive.

KEY FEATURES:

- | Polyamide liner with PU inter layer combined with terylene reinforcement and PU cover for optimum flexibility.
- | Fully flexible even at low temperatures – 40°C to +75°C.
- | Compatible with most manufacturers' systems when used for spray paint purposes.
- | Extremely abrasion resistant.
- | Burst pressure 60-80 bar.
- | 3:1 safety factor (fluids) and 4:1 safety factor (air).

SIZES:

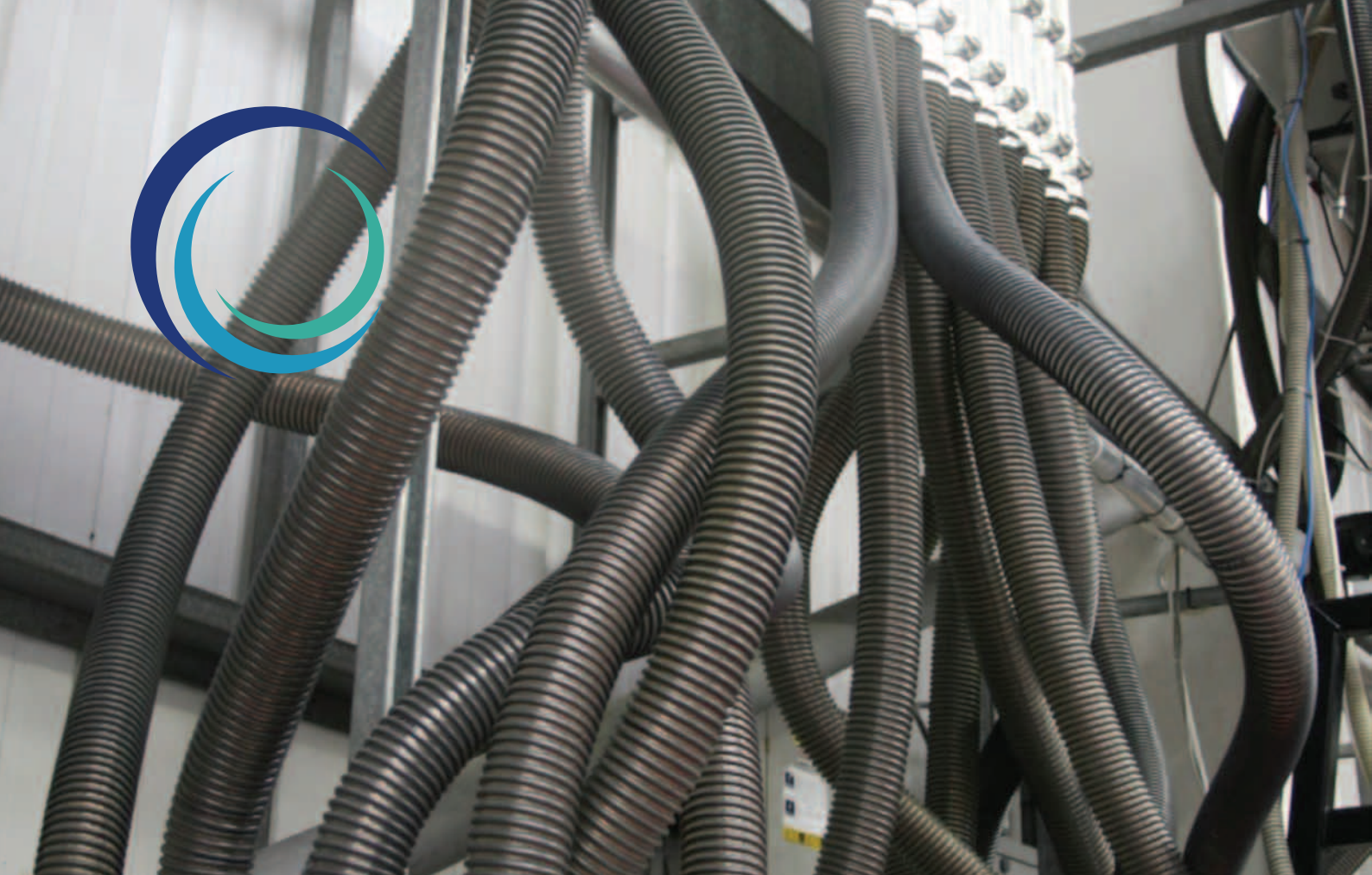
- | Available in 30m coils
- | 6.3mm & 9.52mm ID
- | Can be supplied on drums

COLOURS:



- | Emerald Green
- | Print – CD logo/product reference/minimum burst pressure/date code





SUCTION / DISCHARGE

A range of heavy duty, durable hoses designed for drainage/irrigation or suction/delivery of liquid and semi-liquid products.

Options include a choice of flexible, corrugated PVC covered hoses designed for very specific end uses such as aquatic, marine and fuel/oil suction/delivery.

AQUATIC HOSE

AH SERIES

A flexible smooth bore hose, covered with corrugated PVC for light duty suction/discharge.

KEY FEATURES:

- | Light duty suction/discharge hose widely used for water and garden purposes.
- | Electrical conduit hose for cable protection (self-extinguishing in accordance with UL 94-V2 standard).

SIZES:

- | Available in 30m coils
- | ID 12mm-38mm

COLOURS: ○

- | Black



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www.copely.com

DELIVERY HOSE

DH SERIES

A highly flexible hose designed for low pressure suction and delivery.

KEY FEATURES:

- | Designed for the light pressure transfer of liquids and powders.
- | Lightweight construction for easy handling.
- | Translucent wall for visibility.
- | Remains flexible, even in cold weather applications.
- | Operating temperature -15°C to +65°C.
- | Made with scuff resistant material.

APPLICATION EXAMPLES:

- | Can be used for applications such as industrial water baths or in agriculture, for water and liquid fertilizer transfer.

SIZES:

- | Available in 30m coils
- | 12mm-102mm ID

COLOURS: ○○

- | Translucent Green
- | Black



SUCTION/DISCHARGE



MEDIUM DUTY SUCTION

MDS SERIES

Medium duty suction / discharge hose made from an extra flexible formulation for use in higher vacuum applications.

KEY FEATURES:

- | Tough and durable, with excellent flexibility.
- | Suitable for higher vacuum applications.
- | Operating temperature -15°C to +65°C.
- | Flexible in colder environments.
- | Also available in straight cured lengths.
- | Excellent chemical resistance.

APPLICATION EXAMPLES:

- | Suction and discharge of slurry and semi-liquid products
- | As used for industrial, agricultural and construction industry pumping purposes.

SIZES:

- | Available in 30m coils
- | ID 25mm-152mm

COLOURS:

- | Olive Green



More information at
www.copely.com

FOOD DELIVERY HOSE

FDH SERIES

Manufactured from EC compliant materials making it suitable for food delivery, this is a highly flexible hose designed for low pressure suction and delivery of liquids and light powders.

KEY FEATURES:

- | EC compliant for food contact applications.
- | Designed for the light pressure transfer of liquids and powders.
- | Lightweight construction for easy handling.
- | Transparent for easy visibility.
- | Remains flexible, even in colder environments.
- | Operating temperature -15°C to +65°C.
- | Anti-static option available against minimum order quantities.

APPLICATION EXAMPLES:

- | Transfer of liquids and light powders, for example, baking powders used in the food industry.

SIZES:

- | Available in 30m coils
- | ID 12mm-102mm

COLOURS: ☐

- | Transparent with White Spiral



WIRE REINFORCED SUCTION

WR SERIES

Medium duty PVC flexible suction/discharge hose with reinforced zinc coated steel wire for transportation of powders, granules and liquids including chemicals.

KEY FEATURES:

- | Transportation of solids and liquids in general industrial, agriculture and food industry locations.
- | EC compliant making it suitable for food contact use.
- | Excellent crush and erosion resistance over a broad temperature range.
- | Good flexibility.
- | Excellent durability in colder temperatures.
- | Service temperature -20°C to +65°C.
- | Resistant to most chemicals.
- | Smooth bore for efficient flow.
- | Transparent for clear visibility.

APPLICATION EXAMPLES:

- | Industrial, such as use with hopper feeders.
- | Agriculture, such as seed drills and slurry tankers.
- | Suction pumps.
- | Chemical transfer plants.
- | Boat construction.



SIZES:

- | Available in 30m coils
- | 12mm-152mm ID

COLOURS: ☐

- | Transparent

MARINE SANITATION HOSE

MSH SERIES



A medium duty sanitation hose made from a special PVC / Nitrile blend with permeation-resistant properties to combat odour.

KEY FEATURES:

- | Suitable for higher vacuum or pressure applications.
- | UV stabilised.
- | Operating temperature -15°C to +65°C.

APPLICATION EXAMPLES:

- | Suction and discharge of slurry and semi-liquid products.
- | Widely used for boat or caravan toilets including seawater boats.

SIZES:

- | Available in 30m coils
- | ID 19mm- 38mm

COLOURS:

- | White

SUCTION/DISCHARGE



FUEL OIL SUCTION HOSE

FOS SERIES

Manufactured from a PVC/Nitrile mix to give effective oil and fuel resistance.

KEY FEATURES:

- | Flexible PVC with rigid PVC helix reinforcement.
- | Extra flexible even at low temperatures.
- | Operating temperature -15°C to +65°C.
- | Constructed for higher vacuums and pressures.
- | Flame retardant.

SIZES:

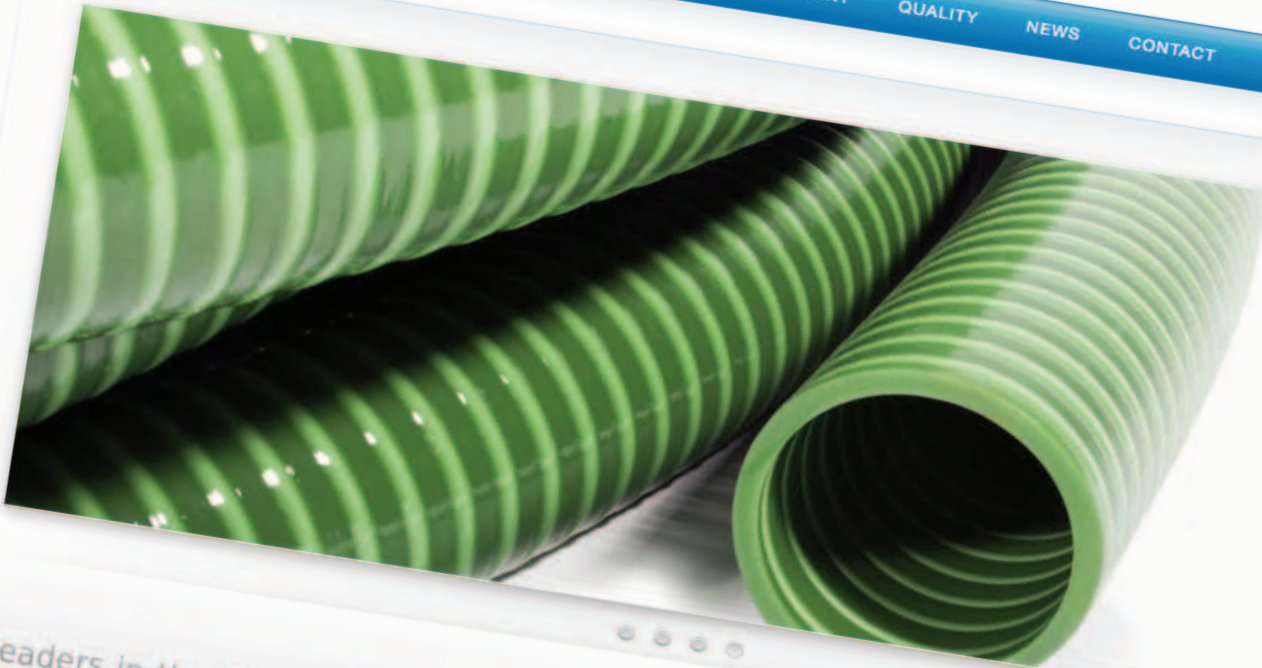
- | Available in 30m coils
- | 25mm - 51mm ID

APPLICATION EXAMPLES:

- | Specifically for the transportation of fuels and oils.

COLOURS:

- | Blue



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INDEX

	PRODUCT NAME	SERIES	PAGE NUMBER
A	AIR-CORD ULTRA FLEXIBLE AIR HOSE	CXL	18
	AQUATIC HOSE	AH	25
	AQUAVEND REINFORCED PVC	PHR	7
	AQUAVEND UNREINFORCED	PH	7
	ARTICULATED VEHICLE BRAKE COILS	AVAC & BES	22
C	CODEFLEX CLEAR UNREINFORCED	C	5
	CODEFLEX GLASS CLEAR REINFORCED	CR	5
	CODEFLEX SUPER AIR	SA	6
	COMPACT PREFORMED AIRLINE COILS	EC	23
D	DELIVERY HOSE	DH	25
	DIN 73378 AND 74324 NYLON TUBING	DIN	24
E	EXTRA-FLEXIBLE ESD ANTI-STATIC HOSE	ESD	9
	EXTRAFLEX REINFORCED WATER HOSE	GHY	15
F	FIRST AID FIRE HOSE	FRH	10
	FLEXIBLE DUAL CONTAINMENT HOSE	PHR & ECV	8
	FLUTED WATER HOSE	GPW	11
	FOOD DELIVERY HOSE	FDH	27
	FOUR SEASONS REINFORCED HOSE	LGH & GH	15
	FUEL OIL SUCTION HOSE	FOS	28
G	GPA UNIVERSAL	GPA	10
	GRAVITY FEED HOSE	GPD	11
I	INDUSTRIAL LAYFLAT HOSE	LH & LHM	16
L	LOW DENSITY POLYETHYLENE	LDP	14
M	MARINE SANITATION HOSE	MSH	28
	MARINE SUPERFLAT	LX	19
	MEDICAL REINFORCED PVC GAS HOSE	BRN	9
	MEDIUM DUTY SUCTION	MDS	26
	MULTI-PURPOSE REINFORCED PVC HOSE	CX	18
N	NYLON TUBING – FLEXIBLE	NFL & NMF	21
	NYLON TUBING – SEMI-RIGID	NLR, NMR & NHR	21
P	PAINT & FLUID HOSE	EPS	23
	POLYTETRAFLUORETHYLENE	PTFE	14
	POLYURETHANE COMPACT COILS	CPC	13
	POLYURETHANE REINFORCED HOSE	CPR	12
	POLYURETHANE TUBE	CPU	12
	PVK GLASS CLEAR	PVK	6
S	SEMI-FLAT MULTI-PURPOSE HOSE	LFR	19
	SUPERFLEX NYLON	NMSF	21
W	WIRE REINFORCED SUCTION	WR	27



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