

Hose

High Pressure and
Ultra High Pressure
Thermoplastic



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polyflex Thermoplastic Hose

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Why Thermoplastic?

Easy and Quick Installation

- ◆ Very small sizes starting with inner diameters of 2 mm (DN2 or -012). Typical disadvantages that come with using oversized hoses, such as extensive costs, waste of space, extensive weight, and complicated installation, can be avoided.
- ◆ Lightweight by design – possible weight reduction of more than 50% when compared to conventional hydraulic hoses.
- ◆ Very small outer diameters due to compact design.
- ◆ Small bend radii to save installation space.
- ◆ Long, continuous hose lengths up to 4000 meters help minimize scrap due to unusable cut-off pieces and often render connection joints unnecessary.
- ◆ Wide range of colors for easy identification of hose function and to harmonize the appearance of machine and hose.
- ◆ Easy cutting and processing, especially with textile fiber reinforced hose types.

Outstanding Performance

- ◆ Very high working pressures up to 58,000 psi (4,000 bar).
- ◆ Reduced pressure loss due to smooth core tubes.
- ◆ Electrically conductive hoses according to SAE J517.
- ◆ Volumetric expansion according to customers needs.
- ◆ High purity of the extremely smooth core tube reduces the danger of contamination of the hydraulic system caused by deposits in the hose.
- ◆ Excellent abrasion resistance.
- ◆ High collapse pressure.
- ◆ Long shelf life.
- ◆ Individual customer hose bundles.
- ◆ Customer specific hose marking.

Dedicated Features

- ◆ Outstanding chemical resistance
 - of hose outer cover against environmental effects
 - of hose core tube against media.
- ◆ Long service life due to excellent UV- and ozone-resistance.
- ◆ Seawater-resistant hose materials.
- ◆ Wide temperature range from -40°F (-40°C) up to 212°F (100°C) .
- ◆ Easily bond hoses together into twinline or multiline assemblies to achieve space-saving and compact units.
- ◆ Suitable for industrial gases.



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For Your Safety

The hose assemblies listed in this catalog are all special constructions with the hose having up to eight spiral layers of steel wire. Due to this construction, pressures are achieved which far exceed international standards. These hose types are manufactured and tested according to the **polyflex** standards which have proved to be effective over many years.

polyflex hose assemblies are used at considerable working pressures. The critical area of a hose assembly is the connection between flexible hose and rigid fitting (crimping area). Only the use of original **polyflex** components (hose, fittings and tooling) and full compliance with the **polyflex** assembly instructions can guarantee safety and conformity with standards. It is essential that training be given to customers in the hose assembly process in order to make high quality **polyflex** maximum pressure hose assemblies.

For the production and testing of the hose assemblies relevant to the applications, the guidelines and technical regulations, as well as, the protection and hazard prevention rulings must be adhered to.

You, as the manufacturer of **polyflex** hose assemblies, are obliged to mark these hose assemblies according to the regulations and to verify their safety by a final pressure test.

Non-compliance with these rules can lead to the premature failure of the hose assembly and the loss of warranty.



- Treat high pressure hose with extreme caution. **polyflex** hoses are ultra high pressure hoses, not garden hoses, and should be treated like high pressure vessels.
- Always inspect for frayed, damaged or worn spots before using.
- Check the end connections for wear, rust, cracks or other deterioration which could produce a dangerous projectile.
- Know the working pressures and burst pressures of all hoses before using them.
- Always use clean, filtered medium to prolong hose life.
- Always clean, drain and coil hoses after use.
- Use only hoses assembled by an authorized Parker distributor.

- Never fix a hose at the sleeves.
- Never use a hose with cuts or wire showing through the outer cover.
- Never use a hose with bubbles, listers or kinks.
- Don't exceed the bend radius and pressure rating for each hose.
- Don't run over the or crush the hose with vehicles.
- Hoses with corroded or leaking end connections should be avoided.
- Avoid using dirty medium or medium with sulfur compound in it.
- Don't bend the hose over scaffolding or pull heavy equipment with the hose.
- Don't let hose support its own weight off towers or buildings.
- Never use hose without hose arrestors (containment grips).
- Don't expect water jetting or hydraulic hose to last forever.
- Don't change or repair a hose without instructions from the manufacturer.
- Never disconnect a hose under pressure.

How to Read the Hose Section

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2440N-16V37 | Gray | 25 | 1 | 25.0 | 1.47 | 37.4 | 8,160 | 562 | 11.8 | 300 | 1.34 | 2.00 | LX |

NOTE: The imperial measurements are in black. The metric equivalents appear in blue.

1 Part Number
Hose Series Part Number - gives the construction and core tube material of the hose.

2 Jacket Color
Color of the hose jacket.

3 Inside Diameter
Distance between inner walls of the core tube.

4 Outside Diameter
Nominal diameter of the hose.

5 Working Pressure
Working pressure rating must meet or exceed the maximum operating pressure of the system including pressure spikes.

Working pressure listed is dependent on application. Water blast applications will typically have a 2.5:1 design factor. Hydraulic and Oil & Gas applications will typically have a 4:1 design factor. Contact Parflex division for detailed hose performance criteria.

6 Minimum Bend Radius
Minimum radius that the hose can be bent. Exceeding the bend radius can cause kinking, inner tube washout, or excessive stress on reinforcement resulting in shortened service life.

7 Weight
Provided in lbs/ft and kg/m.

8 Approved Fitting
Approved fitting series for selected hose. Technical information for fittings is provided in Section B.

Hose Part Numbers

Hose Part Number Build



2440N-08V30/12

2440

1. Reinforcement I

- 0 = No spiralizing
- 1 = Two open spiralized layers
- 2 = Two closed spiralized layers
- 3 = Two closed spiralized layers two open spiralized layers
- 4 = Four closed spiralized layers
- 5 = Four closed spiralized layers (increased pressure)
- 6 = Six closed spiralized layers
- 7 = Six closed spiralized layers (increased pressure)
- 8 = Eight closed spiralized layers
- 9 = Eight closed spiralized layers (increased pressure)

2440

2440

2. Reinforcement II (If Reinforcement I ≠ 0)

- 1 = Synthetic fiber (not aramid)
- 2 = Aramid fiber
- 3 = Stainless steel wire
- 4 = Steel wire
- 5 = Iron wire
- 6 = Cord strand
- 7 = Steel wire and open spiralized synthetic yarn
- 8 = Steel wire and open spiralized cord strand
- 9 = Other construction

2. Reinforcement II (If Reinforcement I = 0)

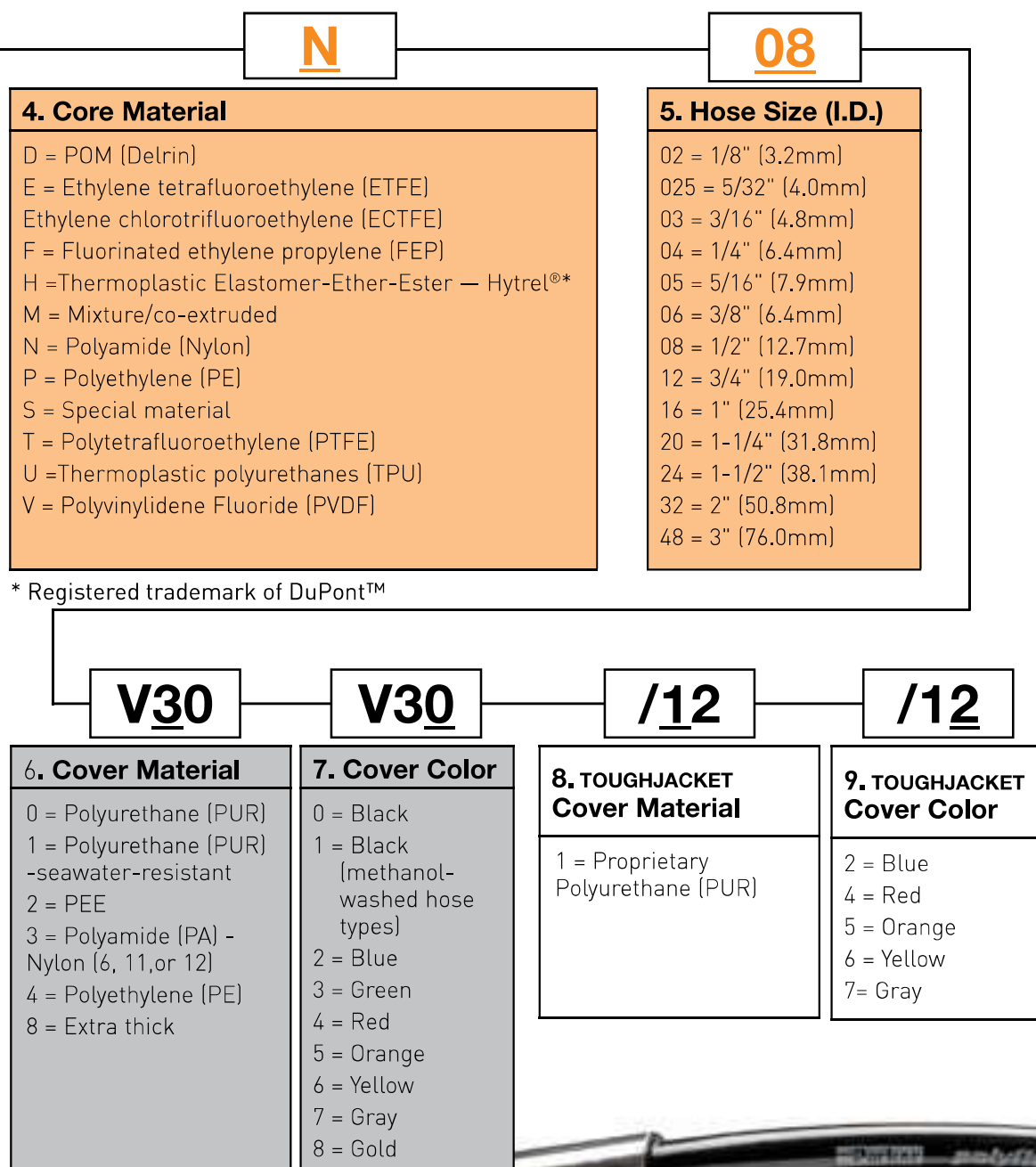
- 0 = No braiding
- 1 = One braid of non-aramid fiber
- 2 = One braid of aramid fiber
- 3 = One braid of stainless steel wire
- 4 = One braid of steel wire
- 5 = One braid of iron wire
- 6 = one braid of iron wire, zinc-plated

3. Reinforcement III

- 0 = No braiding
- 1 = One braid of non-aramid fiber
- 2 = One braid of aramid fiber
- 3 = One braid of stainless steel wire
- 4 = One braid of steel wire
- 5 = One braid of iron wire
- 6 = One braid of iron wire, zinc-plated
- 7 = (open)
- 8 = Different pressure reinforcement

Hose Assembly Part Numbers - Nomenclature—page A-10

Fitting Part Numbers - Nomenclature—page B-4



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Hose Assembly Part Numbers

polyflex Hose Assembly Nomenclature



2390N

06

01

2390N

06

01

Hose

This series of numbers will indicate the hose base number. See pg. A-8 for detailed hose part number breakdown.

Example:
2390N - 04V16

Connection Type

These two digits will indicate the STYLE of connection End 1 and End 2

| | | |
|-------|---|---|
| 01 | = | NPT - Male |
| 02 | = | NPT - Female |
| 06 | = | JIC 37° Flare - Female |
| 5Y | = | Medium Pressure Female - Swivel |
| 6A | = | Code 62 |
| 6Y | = | High Pressure Female - Swivel |
| 8K | = | API Hub with Flange |
| 92 | = | BSP Female - Swivel |
| 9G | = | Straight Dual Seal |
| AY | = | Type "M" Female - Swivel |
| C3/C9 | = | METRIC Female - Swivel |
| D9 | = | BSP Rigid - Male |
| HB | = | API Hub |
| HE | = | 2" Hammer Union, cone w/ Wing Nut, Male |
| HN | = | Hammer Union, Cone Threaded End w/ Seal, Female |
| HY | = | Waterblast Nozzle - Female |
| MB | = | STECKO |
| TU | = | Tube Stub Fitting |
| Y2 | = | Medium Pressure - Tube Nipple |
| Y4 | = | High Pressure - Tube Nipple |
| YH | = | Waterblast Nozzle - Male |
| YM | = | Waterblast Nozzle - Male Metric |

Hose Part Numbers - Nomenclature—page A-8

Fitting Part Numbers - Nomenclature—page B-4


06 08 04 C 16 - 600
06 08 04

| Connection Type | | | Hose Size | | |
|--|----------------------|--|---|----------------|------|
| These two digits will indicate the SIZE of connection - End 1 and End 2. | | | When specifying hose size, indicate the two-digit code. | | |
| JIC/Type M | BSP | MP & HP Tube (Sized by nominal tube O.D.) | Hose I.D. | Hose Dash Size | Code |
| 01 = 1/4" - 28 UNF | 02 = G 1/8" - 28 | | 5/64" | -012 | 1A |
| 02 = 5/16" - 24 UNF | 04 = G 1/4" - 19 | | 1/8" | -02 | 02 |
| 03 = 3/8" - 24 UNF | 06 = G 3/8" - 19 | 04 = 1/4" - 28 | 5/32" | -025 | 2B |
| 04 = 7/16" - 20 UNF | 08 = G 1/2" - 14 | 06 = 3/8" - 24 | 3/16" | -03 | 03 |
| 05 = 1/2" - 20 UNF | NPTF | 09 = 9/16" - 18 | 1/4" | -04 | 04 |
| 06 = 9/16" - 18 UNF | | 12 = 3/4" - 16 | 5/16" | -05 | 05 |
| 07 = 5/8" - 18 UNF | | 16 = 1" - 14 | 3/8" | -06 | 06 |
| 08 = 3/4" - 16 UNF | | | 1/2" | -08 | 08 |
| 10 = 7/8" - 14 UNF | | | 3/4" | -12 | 12 |
| 11 = 1" - 12 UNF | | | 1" | -16 | 16 |
| 12 = 1-1/16" - 12 UNF | | | 1-1/4" | -20 | 20 |
| 13 = 1-1/8" - 12 UNF | | | 1-1/2" | -24 | 24 |
| 15 = 1-1/4" - 12 UNF | 20 = 1-1/4" - 11-1/2 | | 2" | -32 | 32 |
| 16 = 1-5/16" - 12 UNF | 24 = 1-1/2" - 11-1/2 | | 3" | -48 | 48 |
| 17 = 1-3/8" - 12 UNF | 32 = 2" - 11-1/2 | | | | |
| 19 = 1-1/2" - 12 UNF | | | | | |
| 20 = 1-5/8" - 12 UNF | | | | | |

C**16****600****Fitting Material**

This letter indicates the material of the fittings used.

S=Carbon Steel
C=Stainless Steel

Hose Variation Number

This series of numbers will indicate the hose variation number. See pg. A-8 for detailed hose part number breakdown.
Example: 2390N-04 V16

Length

Indicate the assembly length in imperial units. This example is 600 inches.

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Hose Selection Chart

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| Nominal Size | | | | Working Pressure psi [bar] | | | | | | | | |
|----------------|------|------|----|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| | | | | 2240D | 2248D | 2380N-...W | 2388N-...W | 2440D | 2448D | 2440N | 2580N | |
| size | inch | mm | DN | | | | | | | | | |
| -02 | 1/8 | 3.2 | 3 | 15,950 (1,100) | | | | 30,000 (2,070) | | | | |
| -025 | 5/32 | 4.0 | 4 | 17,400 (1,200) | 21,750 (1,500) | | | 31,900 (2,200) | 43,645 (3,010) | | | |
| -03 | 3/16 | 4.8 | 5 | 15,955 (1,100) | 20,300 (1,400) | | | 26,100 (1,800) | | | | |
| -04 | 1/4 | 6.4 | 6 | 15,950 (1,100) | | 15,950 (1,100) | 18,560 (1,280) | 23,780 (1,640) | | 20,300 (1,400) | | |
| -05 | 5/16 | 7.9 | 8 | 13,050 (900) | | 14,500 (1,000) | | 21,750 (1,500) | | | | |
| -06 | 3/8 | 9.5 | 10 | | | | | | | 20,300 (1,400) | 23,200 (1,600) | |
| -08 | 1/2 | 12.7 | 12 | | | 12,760 (880) | 15,950 (1,100) | | | 20,300 (1,400) | 20,300 (1,400) | |
| -12 | 3/4 | 19.0 | 20 | | | | | | | 14,500 (1,000) | 17,400 (1,200) | |
| -16 | 1 | 25.4 | 25 | | | | | | | 13,050 (900) | | |
| Fitting Series | | | | TX | TX | KY LX | KY BS | LX | LX | LX | BL | |
| Page # | | | | A-22 | A-22 | A-26 | A-30 | A-34 | A-34 | A-36 | A-40 | |

TOUGHJACKET™ versions rated the same as the base hose design.

Working Pressure psi/bar- Waterblast 2½:1 Applications

**Hose
A**

| | Working Pressure psi [bar] | | | | | | | | Nominal Size | | | |
|--|----------------------------|------------------|------------------|-------------------|-------------------|-------------------|--------------------|-------------------|----------------|------|------|------|
| | 2640D | 2640N | 2648N | 2740D | 2748D | 2749D | 2840D | 2849D | | | | |
| | | | | | | | | | DN | mm | inch | size |
| | | | | | | | | | 3 | 3.2 | 1/8 | -02 |
| | 40,600 (2,800) | | | 43,500 (3,000) | | | | | 4 | 4.0 | 5/32 | -025 |
| | 36,230 (2,500) | | | 40,600 (2,800) | | | *58,000 (4,000) | | 5 | 4.8 | 3/16 | -03 |
| | | | | | | | | | 6 | 6.4 | 1/4 | -04 |
| | | | | 36,230 (2,500) | 40,600 (2,800) | 43,645 (3,010) | 43,500 (3,000) | 55,000 (3,800) | 8 | 7.9 | 5/16 | -05 |
| | | | | | | | | | 10 | 9.5 | 3/8 | -06 |
| | | 26,100 (1800) | | | | | 36,250 (2,500) | | 12 | 12.7 | 1/2 | -08 |
| | | 20,300 (1400) | 23,200 (1600) | | | | | | 20 | 19.0 | 3/4 | -12 |
| | | | 21,750 (1500) | | | | | | 25 | 25.4 | 1 | -16 |
| | 2X | 5X | JX CX | 2X | 2X | 2X | 2X WX | WX | Fitting Series | | | |
| | A-42 | A-44 | A-44 | A-46 | A-46 | A-46 | A-48 | A-50 | Page # | | | |

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* Not DIN EN 1829-2 qualified. Others are with PFDE fittings.

TOUGHJACKET™ versions rated the same as the base hose design.

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| Working Pressure psi [bar] | | | | | | | | |
|----------------------------|----------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|
| Dimensions → | size | -012 | -02 | -025 | -03 | -04 | -05 | -06 |
| | inch | 5/64 | 1/8 | 5/32 | 3/16 | 1/4 | 5/16 | 3/8 |
| Hose Type ↓ | mm | 2 | 3.2 | 4 | 4.8 | 6.4 | 7.9 | 9.5 |
| | DN | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
| Working Pressure psi [bar] | 2020N | 6,890 (475) | 5,800 (400) | | | | | |
| | 2022N | | | | | 10,000 (690) | | 10,000 (690) |
| | 2245N | | | | | 6,525 (450) | | |
| | 2380N | | | 10,875 (750) | | 10,150 (700) | 9,060 (625) | |
| | 2388N | | | | | 11,600 (800) | | |
| | 2390N | | | | | 7,107 (490) | | |
| | 2580N | | | | | | | |
| | HP / HP8 | | | | 10,000 (690) | 10,000 (690) | | 8,000 (552) |

Working Pressure psi/bar - Hydraulic 4:1 Applications

Hose
A

| | Working Pressure psi [bar] | | | | | | | |
|--|----------------------------|----------------|----------------|-------|------|---------------------|--------------------|------|
| | -08 | -12 | -16 | -20 | size | Dimensions ←---- | Fittings | Page |
| | 1/2 | 3/4 | 1 | 1 1/4 | inch | | | |
| | 12.7 | 19 | 25.4 | 31.8 | mm | Hose Type ↓ | | |
| | 12 | 20 | 25 | 32 | DN | | | |
| | | | | | | 2020N | EX / RX | A-18 |
| | 10,000 (690) | | | | | 2022N | 8X / 3X / LX | A-20 |
| | 5,080 (350) | 4,350 (300) | | | | 2245N | 9X / NX | A-24 |
| | 7,500 (517) | | 5,510 (380) | | | 2380N | 8X / LX / E4 | A-28 |
| | | | | | | 2388N | 8X | A-30 |
| | 6,017 (415) | 5,075 (350) | 4,060 (280) | | | 2390N | 8X / 9X E3 / E4 | A-32 |
| | 10,150 (700) | | | | | 2580N | BL | A-40 |
| | | | | | | HP / HP8 | HP | A-56 |

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Hose Selection Chart

| Working Pressure psi [bar] | | | | | | | | |
|----------------------------|--|----------------|----------------|----------------|----------------|--------------|--------------|--|
| Dimensions → | size | -04 | -05 | -06 | -08 | -12 | -16 | |
| | inch | 1/4 | 5/16 | 3/8 | 1/2 | 3/4 | 1 | |
| Hose Type ↓ | mm | 6.4 | 7.9 | 9.5 | 12.7 | 19 | 25.4 | |
| | DN | 6 | 8 | 10 | 12 | 20 | 25 | |
| B | High Pressure Aramid Hose | | | | | | | |
| | 2022N-...10K | 10,000 (690) | | 10,000 (690) | 10,000 (690) | | | |
| | HCR | | | | 5,000 (345) | | 5,000 (345) | |
| | 57CR | | | | | 5,000 (345) | 5,000 (345) | |
| C | High Pressure Wire Hose, Polyamide | | | | | | | |
| | 2380N | | | | 7,500 (517) | | 5,510 (380) | |
| | 2388N | 11,600 (800) | | | 15,950 (1,115) | | | |
| | 2390N | 7,107 (490) | | 6,450 (445) | 6,017 (415) | 5,075 (350) | 4,060 (280) | |
| | 2440N | | | 12,688 (875) | 11,745 (810) | 10,000 (690) | 8,120 (560) | |
| | 2440N-...10K | | | | | | 10,000 (690) | |
| | 2448N | 15,000 (1,035) | | | 12,688 (875) | | | |
| | 2640N | | | | | 12,500 (875) | | |
| D | High Pressure Wire Hose, ChemJec | | | | | | | |
| | 2440M | 12,500 (875) | 10,000 (690) | 10,000 (690) | 10,000 (690) | | | |
| | 2448M | 15,000 (1,035) | 15,000 (1,035) | 15,000 (1,035) | | | | |
| | 2640M | | | | 15,000 (1,035) | | | |
| E | BOP and Hotline Hoses | | | | | | | |
| | 2390N | 7,107 (490) | | | 6,017 (415) | 5,075 (350) | 4,060 (280) | |
| | Large Bore for Well Servicing (Black Eagle and Golden Eagle) | | | | | | | |
| | 2240N | | | | | | | |
| | 2248N | | | | | | | |
| | 2440N | | | | | | | |
| | 2448N | | | | | | | |
| | 2580N-32V80 | | | | | | | |
| | 2640N | | | | | | | |
| | 2640N-...15K | | | | | | | |
| F | 2648N-32V80 | | | | | | | |
| | 2580M | | | | | | | |
| General Technical | 2640M | | | | | | | |

Working Pressure - Oil & Gas

4:1 Applications

Hose
A

| | Working Pressure psi [bar] | | | | | | | |
|--|----------------------------|----------------|----------------|----------------|------|--------------|-------------|---------------|
| | -20 | -24 | -32 | -48 | size | Dimensions | Fittings | Page |
| | 1 1/4 | 1 1/2 | 2 | 3 | inch | ←---- | | |
| | 31.8 | 38.1 | 50.8 | 76 | mm | Hose Type | | |
| | 32 | 40 | 50 | 78 | DN | ↓ | | |
| | | | | | | | | |
| | | | | | | 2022N-...10K | 8X/3X/LX | A-18 |
| | | | | | | HCR | HV | A-52 |
| | | | | | | 57CR | CR | A-54 |
| | | | | | | | | |
| | | | | | | 2380N | 8X/LX/E4 | A-28 |
| | | | | | | 2388N | 8X/BS | A-30 |
| | | | | | | 2390N | 8X/9X/E3/E4 | A-32 |
| | | | | | | 2440N | 8X/LX | A-36 |
| | | | | | | 2440N-...10K | LX | A-38 |
| | | | | | | 2448N | 8X/LX | A-38 |
| | | | | | | 2640N | 5X | A-44 |
| | | | | | | | | |
| | | | | | | 2440M | 8X/LX | A-68 |
| | | | | | | 2448M | UX/LX | A-68 |
| | | | | | | 2640M | 5X | A-68 |
| | | | | | | | | |
| | | | | | | 2390N | 8X/9X/E3/E4 | A-32 |
| | | | | | | | | |
| | | | 3,000 [207] | 5,000 [345] | | 2240N | TX/S6 | A-62, A-64 |
| | | | 5,000 [345] | | | 2248N | S6 | A-64 |
| | | | | 10,000 [690] | | 2440N | LX | A-62 |
| | | | 5,000 [345] | | | 2448N | 5X | A-60 |
| | | | 10,000 [690] | | | 2580N-32V80 | 5X | A-60 |
| | | 10,000 [690] | | | | 2640N | 5X | A-58 |
| | | 15,000 (1,035) | | 15,000 (1,035) | | 2640N-...15K | 5X | A-58 |
| | | | 15,000 (1,035) | | | 2648N-32V80 | CX | A-60 |
| | | | 10,000 [690] | | | 2580M | 5X | A-66 |
| | | 10,000 [690] | | | | 2640M | 5X | A-66 |

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2020N- High Pressure Hose



Features & Applications

- Very small hose I.D.
- Very flexible hose
- High pressure services where very small hose O.D. is required
- Versatile usage in mini-hydraulic and gas applications
- Measuring and diagnostic systems

Markets

- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|-----|--------------|-----|--------------------------|-----|---------------------|----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2020N-012R30 | Black | 2 | 5/64 | 2.0 | 0.20 | 4.9 | 6,890 | 475 | 0.79 | 20 | 0.01 | 0.02 | EX |
| 2020N-02V30 | Black | 3 | 1/8 | 3.2 | 0.24 | 6.0 | 5,800 | 400 | 1.20 | 30 | 0.02 | 0.02 | EX/RX* |

Construction

Core Tube: Polyamide

Reinforcement: One braided layer of high tensile strength synthetic fiber

Cover: Polyamide, -012 pin-pricked on request

Options

Colors: ● Black

Temperature Range

-012 sizes: -40°F to +180°F (-40°C to +82.2°C)

-02 sizes: -40°F to +212°F (-40°C to +100°C) with petroleum or synthetic hydraulic fluids and gases

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- Not for use in airless paint spray or solvent spraying applications. Not a static dissipative hose.
- Hose must be pin-pricked for gas service.
- *RX Series fittings are field assembled. Contact the division for more information.
- Refer to page F-26, paragraph 5 of "Notes on Chemical Resistance" section for gas applications.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2020N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2020N-012R30 | 2020N-02V30 |
|---|---|--|
| Fitting Part Numbers  | 101EX-2-012 101EX-4-012 106EX-4-012 1C9EX-6-012 1C9EX-8-012 | 106EX-4-02 1C9EX-8-02 201RX-2-2C 206RX-4-2C 2TURX-4-2C 601EX-2-2C |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers |
|-------------|---|
| # | Bend Restrictor |
| 2020N-02V30 | MBR003 (w/ reusable fittings) MBR004 (w/ crimp fittings) |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2022N- High Pressure Hose



Features and Applications

- Flexible and lightweight with excellent pressure capabilities
- Meets or exceeds SAE J517 for less than 50 microamps leakage under 75000 volts per foot*
- Smooth bore for improved flow rate and low pressure drop
- ISO 13628-5 "Specification for Subsea Production Control Umbilicals", Section 7.9 Hose construction
- Long-length hose and hose umbilicals requiring lightweight construction
- Oilfield pressure control devices
- Offshore oil applications (control fluids, acidizing, methanol injection, well stimulation)
- High pressure hydraulics, pneumatics and lubricating oils
- High pressure tools and jacks
- Test apparatus

Markets

- Oil & Gas
- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|------------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2022N-04V91-10K | Black | 6 | 1/4 | 6.4 | 0.54 | 13.8 | 10,000 | 690 | 3.94 | 100 | 0.09 | 0.14 | 8X |
| 2022N-06V91-10K | Black | 10 | 3/8 | 9.5 | 0.75 | 19.0 | 10,000 | 690 | 3.94 | 100 | 0.16 | 0.24 | 3X |
| 2022N-08V91-10K | Black | 12 | 1/2 | 12.7 | 0.97 | 23.2 | 10,000 | 690 | 3.94 | 100 | 0.23 | 0.34 | LX |
| | | | | | | | | | | | | | |
| 2022N-04V15-10K* | Orange | 6 | 1/4 | 6.4 | 0.54 | 13.8 | 10,000 | 690 | 3.94 | 100 | 0.09 | 0.14 | 8X |

Construction

Core Tube: Polyamide 11, methanol washed

Reinforcement: High tensile aramid fiber

Cover: Sea water resistant Polyurethane, pin-pricked on request to allow adequate venting of permeable fluids

Options

Colors: Black
 Orange

Temperature Range

-40°F to +150°F (-40°C to +65°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- Refer to page F-26, paragraph 5 of "Notes on Chemical Resistance" section for gas applications.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2022N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2022N-04V15-10K *2022N-04V91-10K | *2022N-06V91-10K | *2022N-08V91-10K |
|---|---|---|---|
| Fitting Part Numbers  | 1018X-4-04 1018X-4-04C 1018X-6-04 1018X-6-04C 1068X-4-04 1068X-4-04C 1068X-6-04 1068X-6-04C 1AY8X-6-04 1AY8X-6-04C | 1063X-6-06C 1C93X-14-06C 1C93X-16-06C 1923X-8-06C 1063X-8-06C | 106LX-8-08C 192LX-8-08C 1C9LX-16-08C 101LX-8-08C |

*Stainless steel fittings required for offshore applications crimped on V91 type hose

Accessories

Technical details available in Section E



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2240D/2248D- High Pressure Tube Cleaning Hose



Features and Accessories

- 20% smaller O.D. than existing competitor products
- High pressure service for tube cleaning applications, such as, heat exchanger tube cleaning in the chemical and refining industries
- Flexible lance at working pressures of 13,000 psi and above

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-----------------|--------------|--------------|------|-----|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2240D-02V33-TC | Green | 3 | 1/8 | 3.2 | 0.28 | 7.1 | 15,950 | 1,100 | 2.36 | 60 | 0.05 | 0.07 | TX |
| 2240D-025V36-TC | Yellow | 4 | 5/32 | 4.0 | 0.30 | 7.7 | 17,400 | 1,200 | 2.95 | 75 | 0.07 | 0.10 | TX/AX |
| 2240D-025V33-TC | Green | 4 | 5/32 | 4.0 | 0.30 | 7.7 | 17,400 | 1,200 | 2.95 | 75 | 0.07 | 0.10 | TX/AX |
| 2240D-03V33-TC | Green | 5 | 3/16 | 4.8 | 0.37 | 9.5 | 15,955 | 1,100 | 3.74 | 95 | 0.09 | 0.13 | TX |
| 2240D-03V36-TC | Yellow | 5 | 3/16 | 4.8 | 0.37 | 9.5 | 15,955 | 1,100 | 3.74 | 95 | 0.09 | 0.13 | TX |
| 2240D-04V36-TC | Yellow | 6 | 1/4 | 6.4 | 0.46 | 11.6 | 15,950 | 1,100 | 4.33 | 110 | 0.13 | 0.20 | TX |
| 2240D-04V33-TC | Green | 6 | 1/4 | 6.4 | 0.46 | 11.6 | 15,950 | 1,100 | 4.33 | 110 | 0.13 | 0.20 | TX |
| 2240D-05V36-TC | Yellow | 8 | 5/16 | 7.9 | 0.53 | 13.4 | 13,050 | 900 | 4.72 | 120 | 0.17 | 0.25 | TX |
| | | | | | | | | | | | | | |
| 2248D-025V32-TC | Blue | 4 | 5/32 | 4.0 | 0.31 | 7.9 | 21,750 | 1,500 | 2.95 | 75 | 0.07 | 0.11 | TX |
| 2248D-03V32-TC | Blue | 5 | 3/16 | 4.8 | 0.37 | 9.5 | 20,300 | 1,400 | 3.74 | 95 | 0.09 | 0.14 | TX |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Two spiral layers of high tensile steel wire

Cover: Polyamide

Options

Colors: Blue
 Green
 Yellow

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- -TC Tough Cover offers improved abrasion resistance over the standard.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2240D/2248D- Fittings and Accessories

Fittings

NPT max. working pressure: 15,000 psi. Technical details available in Section B.

| Hose Part # | 2240D-02V33-TC | 2240D-025V3x-TC | 2240D-03V3x-TC | 2240D-04V3x-TC |
|--|---|---|------------------------------|----------------|
| Fitting Part Numbers  | 101TX-1-02-PL 101TX-2-02-PL 6ZEAX-5-2A 6EZAX-5-2A 5/16" Female-Nozzle | 101TX-1-025-PL 101TX-2-025-PL *1AYTX-6-025W 601AX-1-2A 601AX-2-2A 606AX-4-2A | 101TX-2-03-PL 1AYTX-6-03W | 101TX-4-04-PL |
| | 2240D-05V36-TC | 2248D-025V32-TC | 2248D-03V32-TC | |
| | 101TX-4-05-PL 101TX-6-05-PL *1AYTX-8-05W | 1AYTX-6-025W 1YHTX-4-025-PL | 1AYTX-6-03W 1YHTX-6-03-PL | |

* Contact Parker for special requests of stainless steel.

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | |
|------------------------------|------------------------|-----------------|-----------|
| # | Containment Grip | Bend Restrictor | Hose Stop |
| 2240D-03V3x | MCG001SS MCGHS10-15 | N/A | N/A |
| 2240D-04V3x | MCG001SS MCGHS10-15 | MBR008 | N/A |
| 2240D-05V36 | MCG001SS MCGHS10-15 | N/A | N/A |
| 2240D-025V3x 2248D-025V32 | N/A | N/A | AH-025S |
| 2240D-03V3x 2248D-03V32 | N/A | N/A | AH-03S |
| 2240D-04V3x | N/A | N/A | AH-04S |
| 2240D-05V36 | N/A | N/A | AH-05S |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2245N- High Pressure Hose



Features and Applications

- High pressure hydraulic and industrial applications
- Excellent chemical resistance due to the polyamide core tube
- High pressure service for general industrial and mobile hydraulic applications, as well as with gases
- Use with a wide variety of fluids due to the polyamide core tube.
- Performance exceeds SAE 100R9.

Markets

- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2245N-04V00 | Black | 6 | 1/4 | 6.3 | 0.50 | 12.7 | 6,525 | 450 | 2.76 | 70 | 0.17 | 0.25 | NX |
| 2245N-08V30 | Black | 12 | 1/2 | 12.7 | 0.83 | 21.0 | 5,080 | 350 | 6.50 | 165 | 0.35 | 0.52 | 9X |
| 2245N-12V30 | Black | 20 | 3/4 | 19.6 | 1.14 | 28.9 | 4,350 | 300 | 9.45 | 240 | 0.62 | 0.92 | NX |

Construction

Core Tube: Polyamide

Reinforcement: Two spiral layers, and one braided layer of high tensile steel wire

Covers: V0x – Polyurethane
V3x – Polyamide

Temperature Range

-40°F to +212°F (-40°C to +100°C) for petroleum or synthetic hydraulic fluids

Notes

- Refer to page F-26, paragraph 5 of “Notes on Chemical Resistance” section for gas applications.

Options

Colors: ● Black




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2245N- Fittings

Fittings

Technical details available in Section B.

| Hose Part # | 2245N-04V0x | 2245N-08V3x | 2245N-12V3x |
|--|--|---|--|
| Fitting Part Numbers  | 601NX-2-4* 601NX-4-4* 602NX-4-4* 606NX-4-4C 606NX-6-4C 6AYNX-6-4C | 1069X-8-08 1069X-8-08C 1C99X-16-08 1D29X-16-08 | 101NX-12-12 106NX-12-12 1D2NX-25-12 1U0NX-16-12 |

* Prolance



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2380N/2380N...W- High Pressure Hose



Features and Applications

- Low volumetric expansion
- Available in long lengths
- Replaces high pressure, rigid tubing where vibration and routing constraints are issues
- High pressure service in construction and shipbuilding industries
- General industrial cleaning applications

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant, except type -04V66. -04V66 is compatible with phosphate ester fluids and is qualified for use in high pressure hydraulic applications

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2380N-04V03W | Green | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 15,950 | 1,100 | 2.80 | 70 | 0.18 | 0.27 | KY |
| 2380N-04V06W | Yellow | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 15,950 | 1,100 | 2.80 | 70 | 0.18 | 0.27 | KY |
| 2380N-05V06W | Yellow | 8 | 5/16 | 7.9 | 0.62 | 15.8 | 14,500 | 1,000 | 3.54 | 90 | 0.24 | 0.35 | KY |
| 2380N-08V16W | Yellow | 12 | 1/2 | 12.7 | 0.90 | 23.0 | 12,760 | 880 | 5.90 | 150 | 0.46 | 0.68 | LX |

Markets

- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|-----|--------------|------|--------------------------|-----|---------------------|----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2380N-04V66 | Yellow | 6 | 1/4 | 6.4 | 0.50 | 12.7 | 13,200 | 910 | 2.80 | 70 | 0.18 | 0.27 | NX |

Construction

Core Tube: Polyamide

Reinforcement: Two closed spiral layers and two open spiral layers of high tensile steel wire

Cover: V0x - Polyurethane
V66 - Polyamide

Temperature Range

+14°F to +158°F (-10°C to +70°C)

-04V66: -40°F to +212°F (-40°C to +100°C) in hydraulic applications

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.

Options

Colors: Green
 Yellow




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2380N/2380N...W- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2380N-04V0xW | 2380N-05V0xW | 2080N-08V1xW | 2380N-04V66 |
|--|--|--|---|--|
| Fitting Part Numbers  | 101KY-2-04 101KY-4-04 1AYKY-6-04 | 101KY-4-05 101KY-6-05 1AYKY-8-05 1Y4KY-9-05 | 101LX-8-08 106LX-8-08 1C9LX-16-08 1D9LX-8-08 | 601NX-2-4 601NX-4-4 606NX-4-4C 606NX-6-4C 6AYNX-6-4C |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | | | |
|--------------|------------------------------|------------------|-----------------|------------------------|--------------------|--------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Spring Guard | Containment Grip | Bend Restrictor | Hose Stop |
| 2380N-04V66 | MHDC010 | 508-J-500-10 | N/A | MCG001SS MCGHS10-15 | N/A | N/A |
| 2380N-05V0xW | MHDC012 | 510-A-500-12 | N/A | MCG001SS MCGHS10-15 | MBR012 | AH-06S |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2380N- High Pressure Hose



Features and Applications

- Small diameters available
- Low volumetric expansion
- Available in long lengths and twinline construction
- Replaces high pressure, rigid tubing where vibration and routing constraints are issues
- Used for hydraulic controls and test systems with synthetic fluids
- Portable hydraulic tools
- V91 hoses are for offshore oil applications (control fluids, acidizing, methanol injection and well stimulation)
- -16 BOP hose - hydraulic systems - subsea control lines for BOP systems and long-length hot lines

Markets

- Oil & Gas
- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2380N-025V10 | Black | 4 | 5/32 | 4.0 | 0.38 | 9.7 | 10,875 | 750 | 2.17 | 55 | 0.11 | 0.16 | 8X |
| 2380N-04V00 | Black | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 10,150 | 700 | 2.80 | 70 | 0.18 | 0.27 | 8X |
| 2380N-04V02 | Blue | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 10,150 | 700 | 2.80 | 70 | 0.18 | 0.27 | 8X |
| 2380N-04V04 | Red | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 10,150 | 700 | 2.80 | 70 | 0.18 | 0.27 | 8X |
| 2380N-04V06 | Yellow | 6 | 1/4 | 6.4 | 0.53 | 13.4 | 10,150 | 700 | 2.80 | 70 | 0.18 | 0.27 | 8X |
| 2380N-04V91 | Black | 6 | 1/4 | 6.4 | 0.53 | 13.4 | 10,000 | 690 | 2.80 | 70 | 0.18 | 0.27 | 8X |
| 2380N-05V00 | Black | 8 | 5/16 | 7.9 | 0.62 | 15.8 | 9,060 | 625 | 3.54 | 90 | 0.24 | 0.35 | LX |
| 2380N-08V91 | Black | 12 | 1/2 | 12.7 | 0.90 | 23.0 | 7,500 | 517 | 5.9 | 150 | 0.46 | 0.68 | LX |
| 2380N-16V12 | Blue | 25 | 1 | 25.4 | 1.45 | 36.8 | 5,510 | 380 | 11.42 | 290 | 1.00 | 1.49 | E4 |
| 2380N-16V13 | Green | 25 | 1 | 25.4 | 1.45 | 36.8 | 5,510 | 380 | 11.42 | 290 | 1.00 | 1.49 | E4 |
| 2380N-16V16 | Yellow | 25 | 1 | 25.4 | 1.45 | 36.8 | 5,510 | 380 | 11.42 | 290 | 1.00 | 1.49 | E4 |

Construction

Core Tube: Polyamide (V00)
V91 - Polyamide,
Methanol washed

Reinforcement: Two closed spiral layers and two open spiral layers of high tensile steel wire

Cover: V0x — Polyurethane
V1x — Polyurethane
V91 — Polyamide

Options

Colors: Black Blue Green
 Red Yellow

Temperature Range

-40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2380N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2380N-04V0x | 2380N-025V10 | 2380N-04V91 | 2380N-05V00 |
|---|--|--|---|--|
| Fitting Part Numbers  | 1018X-4-04 1068X-4-04C 1018X-4-04C 1068X-6-04 1018X-6-04 1068X-6-04C 1018X-6-04C 1028X-4-04 1C38X-8-04 1028X-4-04C 1D98X-4-04 1C98X-8-04C 1D98X-4-04C 1MB8X-6-4 1AY8X-6-04 1928X-4-04 1928X-4-04C 1068X-4-04 | 1018X-2-025 1018X-4-025 1068X-4-025 1068X-4-025C-SUBSEA | 1068X-4-04C 1068X-6-04C 1018X-6-04C 1AY8X-6-04C 1928X-4-04C 1018X-4-04C 15Y8X-6-04C | 601LX-4-5 601LX-4-5C 601LX-6-5 601LX-6-5C 6AYLX-8-5C 606LX-6-5C 606LX-8-5C |
| | 2380N-08V91 | 2380N-16V1x | | |
| | 101LX-8-08C 106LX-8-08C | 106E4-16-16C 137E4-16-16C-411 139E4-16-16C-411 19GE4-16-16C 19GE4-24-16C | 19ME4-16-16C 19ME4-24-16C 19WE4-16-16C 19WE4-24-16C | |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | | |
|--------------|---------------------------|---------------|--------------|------------------------|--------------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Spring Guard | Containment Grip | Bend Restrictor |
| 2380N-025V10 | N/A | N/A | N/A | N/A | MBR008 |
| 2380N-04V0x | MHDC012 | 510-A-500-12 | MSG2106 | MCG001SS MCGHS10-15 | MBR010 *HG8X-04 |
| 2380N-04V91 | MHDC012 | 510-A-500-12 | MSG2106 | MCG001SS MCGHS10-15 | MBR010 *HG8X-04 |
| 2380N-08V91 | MHDC018 | 216-200-18 | N/A | MCG005SS | N/A |

*Rigid polymer Ø1-3/16" x 5-1/8" length



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2388N/2388N...W- High Pressure Hose



Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

Features and Applications

- Up to 35% lighter weight for a 20 meter hose assembly when compared to rubber hose
- High kink resistance
- Waterblast hoses DIN EN1829-2 compliant
- Hoses indicated for waterblast applications intended for construction, ship building and general industrial cleaning
- Particularly well-suited for the removal of dirt, rust and paint from the surface of ship decks, tanks, concrete and asphalt
- Grease injection hose
- High flexibility for hydraulic tools, rescue equipment, straightening benches and clamps

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2388N-04V13W | Green | 6 | 1/4 | 6.4 | 0.53 | 13.4 | 18,560 | 1,280 | 1.58 | 40 | 0.20 | 0.30 | KY |
| 2388N-04V14W | Red | 6 | 1/4 | 6.4 | 0.53 | 13.4 | 18,560 | 1,280 | 1.58 | 40 | 0.20 | 0.30 | KY |
| 2388N-08V12W | Blue | 12 | 1/2 | 12.7 | 0.91 | 23.1 | 15,950 | 1,100 | 4.72 | 120 | 0.54 | 0.80 | BS |
| 2388N-08V13W | Green | 12 | 1/2 | 12.7 | 0.91 | 23.1 | 15,950 | 1,100 | 4.72 | 120 | 0.54 | 0.80 | BS |

Markets

- Oil & Gas
- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2388N-04V14 | Red | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 11,600 | 800 | 1.58 | 40 | 0.20 | 0.30 | 8X |
| 2388N-08V12* | Blue | 12 | 1/2 | 12.7 | 0.91 | 23.1 | 15,950 | 1,100 | 4.72 | 120 | 0.54 | 0.80 | BS |
| 2388N-08V13* | Green | 12 | 1/2 | 12.7 | 0.91 | 23.1 | 15,950 | 1,100 | 4.72 | 120 | 0.54 | 0.80 | BS |
| 2388N-08V14* | Red | 12 | 1/2 | 12.7 | 0.91 | 23.1 | 15,950 | 1,100 | 4.72 | 120 | 0.54 | 0.80 | BS |

Construction

Core Tube: Polyamide
Reinforcement: Two spiral layers and two open spiral layers of high tensile steel wire

Cover: Polyurethane

Options

Colors: ● Green ● Red
● Blue

Temperature Range

Waterblast hoses: 14°F to +158°F (-10°C to +70°C)
Hydraulic hose: -40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- *-08 hydraulic hose - 2.5:1 design factor




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2388N/2388N....W Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2388N-04V1xW | 2388N-08Vxxx | 2388N-04V14 |
|--|--|---|---|
| Fitting Part Numbers  | 101KY-4-04 101KY-4-04C 101KY-6-04 1AYKY-6-04 1AYKY-6-04C | 1AYBS-11-08 1AYBS-11-08C 101BS-8-08 101BS-8-08C 1C9BS-16-08 1C9BS-16-08C | 1018X-4-04 1068X-4-04 1068X-6-04 1018X-6-04 1018X-6-04C 15Y8X-6-04C 1928X-4-04 1AY8X-6-04 1AY8X-6-04C 1C38X-8-04 1D98X-4-04 1MB8X-6-04 |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | |
|--------------|------------------------------|------------------|--------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Hose Stop |
| 2388N-04V1xW | MHDC012 | 510-A-500-12 | NA |
| 2388N-08V1xW | MHDC018 | 216-200-18 | AH-08S |
| 2388N-04V14 | MHDC012 | 510-A-500-12 | NA |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2390N- High Pressure Hose



Features and Applications

- Low dimensional change under pressure resulting in excellent response times
- Smooth bore for low pressure drop
- Meets or exceeds the performance requirements of ISO 13628-5
- Low volumetric expansion hose
- Used for hydraulic systems - subsea control lines for BOP systems and long-length hot lines
- Portable hydraulic tools

Markets

- Oil & Gas
- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2390N-04V00 | Black | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 7,107 | 490 | 2.76 | 70 | 0.17 | 0.25 | 8X/9X/E3 |
| 2390N-04V12 | Blue | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 7,107 | 490 | 2.76 | 70 | 0.17 | 0.25 | 8X/9X/E3 |
| 2390N-04V16 | Yellow | 6 | 1/4 | 6.4 | 0.52 | 13.3 | 7,107 | 490 | 2.76 | 70 | 0.17 | 0.25 | 8X/9X/E3 |
| 2390N-06V13 | Green | 10 | 3/8 | 9.5 | 0.71 | 18.1 | 6,450 | 445 | 4.72 | 120 | 0.28 | 0.41 | 9X |
| 2390N-08V12 | Blue | 12 | 1/2 | 12.7 | 0.83 | 21.2 | 6,017 | 415 | 5.91 | 150 | 0.36 | 0.54 | 9X/E3 |
| 2390N-08V13 | Green | 12 | 1/2 | 12.7 | 0.83 | 21.2 | 6,017 | 415 | 5.91 | 150 | 0.36 | 0.54 | 9X/E3 |
| 2390N-08V16 | Yellow | 12 | 1/2 | 12.7 | 0.83 | 21.2 | 6,017 | 415 | 5.91 | 150 | 0.36 | 0.54 | 9X/E3 |
| 2390N-16V12 | Blue | 25 | 1 | 25.4 | 1.38 | 35.0 | 4,060 | 280 | 11.02 | 280 | 0.79 | 1.17 | E4 |
| 2390N-16V13 | Green | 25 | 1 | 25.4 | 1.38 | 35.0 | 4,060 | 280 | 11.02 | 280 | 0.79 | 1.17 | E4 |
| 2390N-16V16 | Yellow | 25 | 1 | 25.4 | 1.38 | 35.0 | 4,060 | 280 | 11.02 | 280 | 0.79 | 1.17 | E4 |

Construction

Core Tube: Polyamide

Reinforcement: Two closed spiral layers and two open spiral layers of high tensile steel wire

Cover: V1x - Seawater-resistant Polyurethane
V00 - Polyurethane

Temperature Range

-40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.

Options

Colors: Blue Yellow
 Green Black




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2390N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2390N-04Vxx | 2390N-06V13 | 2390N-08V1x | 2390N-16V1x |
|---|--|--|---|---|
| Fitting Part Numbers  | 1018X-6-4 1D98X-4-4 *106E3-4-4C *106E3-6-4C 6069X-4-4C 6069X-6-4C 6AY9X-6-4C *139E3-4-4C *139E3-6-4C *137E3-4-4C *137E3-6-4C *106E3-4-4C *106E3-6-4C | 6019X-6-6 6019X-6-6C 6019X-8-6 6019X-8-6C 6069X-8-6C 6AY9X-8-6C | 6019X-8-8 6019X-8-8C 6069X-8-8C 6AY9X-11-8C *106E3-8-8C *19WE3-8-8C *19WE3-16-8C *19ME3-8-8C *19ME3-16-8C *19GE3-8-8C *19GE3-16-8C *106E3-8-8C *139E3-8-8C-411 *137E3-8-8C-411 | 6019X-16-16C 6069X-16-16C 6AY9X-16-16C 106E4-16-16C* 137E4-16-16C-411C* 139E4-16-16C-411C* 19GE4-16-16C* 19GE4-24-16C* 19ME4-16-16C* 19ME4-24-16C* 19WE4-16-16C* 19WE4-24-16C* |

* Parkrimp II crimping compatible.

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | |
|-------------|---------------------------|---------------|------------------------------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Containment Grip |
| 2390N-04Vxx | MHDC010 | 508-J-500-10 | MCG001SS |
| 2390N-08V1x | MHDC016 | 216-200-18 | MCG005SS MCGHS20-30 |
| 2390N-12V03 | NA | 220-200-22 | MCG002SS MCG005SS MCGHS20-30 |
| 2390N-16V1x | MHDC024 | 220-200-22 | MCG003SS MCGHS30-40 |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2440D/2448D- Ultra High Pressure Water Jetting Hose



Features and Applications

- High pressure service for tube cleaning applications such as heat exchangers in the chemical and oil refining industries
- Ultra high pressure waterblast lances for the construction and shipbuilding industries, common industrial cleaning applications, and high pressure tube cleaning in petrochemical and power plants
- Hydrodemolition and removal of accumulated dirt and material from surfaces such as concrete, asphalt and tanks

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-----------------|--------------|--------------|------|-----|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2440D-02V37-TC | Gray | 3 | 1/8 | 3.2 | 0.31 | 7.9 | 30,000 | 2,070 | 3.94 | 100 | 0.08 | 0.12 | LX |
| 2440D-025V37-TC | Gray | 4 | 5/32 | 4.0 | 0.41 | 10.5 | 31,900 | 2,200 | 3.94 | 100 | 0.14 | 0.21 | LX |
| 2440D-03V32-TC | Blue | 5 | 3/16 | 4.8 | 0.45 | 11.5 | 26,100 | 1,800 | 5.12 | 130 | 0.19 | 0.28 | LX |
| 2440D-04V32-TC | Blue | 6 | 1/4 | 6.4 | 0.49 | 12.5 | 23,780 | 1,640 | 6.10 | 155 | 0.22 | 0.33 | LX |
| 2440D-05V32-TC | Blue | 8 | 5/16 | 7.9 | 0.59 | 15.1 | 21,750 | 1,500 | 6.89 | 175 | 0.30 | 0.44 | LX |
| | | | | | | | | | | | | | |
| 2448D-025V35-TC | Orange | 4 | 5/32 | 4.0 | 0.39 | 9.9 | 43,645 | 3,010 | 4.72 | 120 | 0.15 | 0.22 | LX |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Four spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors: Blue
 Gray
 Orange

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2440D/2448D- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2440D-02V3x-TC | 2440D-025V37-TC | 2440D-03V32-TC |
|---|---|--|--|
| Fitting Part Numbers  | 1AYLX-6-02 1Y4LX-4-02 6YHLX-4-02-PL | 6AYLX-6-2AC 6HYLX-4-2AC-PL 6HYLX-4-2AC-PL-LH 6HYLX-6-2AC-PL-LH 6Y4LX-4-2AC 6Y4LX-6-2AC 6YHLX-4-2AC-PL 6YHLX-4-2AC-PL-LH | 65YLX-6-3 65YLX-6-3C 66YLX-4-3 66YLX-4-3C 692LX-4-3 6AYLX-6-3 6AYLX-6-3C 6HYLX-4-3C-PL 6HYLX-4-3C-PL-LH 6HYLX-6-3C-PL 6HYLX-6-3C-PL-LH 6Y4LX-6-3C 6Y4LX-9-3C 6YHLX-4-3C-PL 6YHLX-4-3C-PL-LH 6YHLX-6-3C-PL 6YHLX-6-3C-PL-LH |
| | 2440D-04V32-TC | 2440D-05V32-TC | 2448D-025V3x-TC |
| | 1AYLX-6-04C 1Y2LX-6-04 6HYLX-6-4C-PL 6HYLX-6-4C-PL-LH 6YHLX-6-4C-PL 6YHLX-6-4C-PL-LH | 6AYLX-8-5C 6HYLX-9-5C-PL-LH 6Y2LX-12-5C 6Y2LX-9-5C 6YHLX-9-5C-PL 6YHLX-9-5C-PL-LH 6Y2HX-9-5C-LONG 6Y2HX-9-5C-THD | 6HYLX-4-2AC-PL 6HYLX-4-2AC-PL-LH 6YHLX-4-2AC-PL 6YHLX-4-2AC-PL-LH 6HYLX-6-2AC-PL-LH 6AYLX-6-2AC 6Y4LX-4-2AC 6Y4LX-6-2AC |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | |
|------------------------------------|------------------------|-----------------------------|---------------------------|---------------|
| # | Hose Stop | Spring Guard & Crimp Sleeve | Heavy Duty Abrasion Cover | Cover Sleeves |
| 2448D-025V35-TC 2440D-025V37-TC | AH-04S | N/A | - | - |
| 2440D-03V32-TC | AH-05S | MSG060 508-J-500-10 | - | - |
| 2440D-04V32-TC | AH-05S | N/A | MHDC010 | 508-J-500-10 |
| 2440D-05V32-TC | AH-06S | N/A | PVC-BLUE-012 | 510-A-500-12 |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2440N- Ultra High Pressure Waterblast Hose



Features and Applications

- High pressure, low volumetric expansion hose
- Flexible, chemical-resistant, lightweight alternative to steel pipe and rubber hose
- Ultra high pressure service for the construction and shipbuilding industries and general industrial cleaning applications
- Mainly used in hydrodemolition and to remove different kinds of dirt accumulation, or materials from various surfaces
- Waterjet technology delivery hose

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|----------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2440N-04V32 | Blue | 6 | 1/4 | 6.4 | 0.51 | 13.0 | 20,300 | 1,400 | 6.10 | 155 | 0.21 | 0.31 | LX |
| 2440N-06V32 | Blue | 10 | 3/8 | 9.5 | 0.77 | 19.5 | 20,300 | 1,400 | 7.48 | 190 | 0.49 | 0.73 | LX |
| 2440N-08V32 | Blue | 12 | 1/2 | 12.7 | 0.89 | 22.7 | 20,300 | 1,400 | 7.87 | 200 | 0.63 | 0.94 | LX |
| 2440N-12V36 | Yellow | 20 | 3/4 | 19.0 | 1.19 | 30.2 | 14,500 | 1,000 | 9.84 | 250 | 0.98 | 1.46 | LX |
| 2440N-16V36 | Yellow | 25 | 1 | 25.4 | 1.46 | 37.2 | 13,050 | 900 | 11.81 | 300 | 1.34 | 2.00 | LX |
| TOUGHJACKET™ | | | | | | | | | | | | | |
| 2440N-08V30/12 | Blue | 12 | 1/2 | 12.7 | 1.13 | 28.6 | 20,300 | 1,400 | 7.90 | 200 | 0.81 | 1.21 | LX |

Construction

Core Tube: Polyamide

Reinforcement: Four spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors: Blue
 Yellow

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.



Built in abrasion resistance eliminates the need for an additional PVC sleeve and lightens the hose by up to 16%.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2440N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2440N-04V32 | 2440N-06V32 | 2440N-08V3x 2440N-08V30/12 |
|--|--|--|---|
| Fitting Part Numbers  | 6AYLX-6-4 6AYLX-6-4C 6AYLX-6-4C-SD 65YLX-6-4 65YLX-6-4C 6YHLX-6-4C 6YHLX-6-4C-LH 6HYLX-6-4C-PL 6HYLX-6-4C-PL-LH 6YHLX-6-4C-PL 6YHLX-6-4C-PL-LH | 6AYLX-8-6C 6Y2LX-9-6C | 6AYLX-11-8C 6C9LX-16-8C 6Y2LX-12-8C 6Y2LX-9-8C |
| | 2440N-12V3x | 2440N-16V3x | |
| | 601LX-12-12C 601LX-16-12C 606LX-16-12C 6AYLX-16-12C 6C9LX-25-12C 6Y2LX-16-12C | 601LX-16-16C 606LX-16-16C 6AYLX-16-16C 6C9LX-30-16C 6HELX-16-16-HCL 6HNLX-16-16-HCL | |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | |
|----------------|------------------------------|------------------|------------------------|------------------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Spring Guard | Containment Grip |
| 2440N-04V32 | PVC-BLUE-012 | 510-A-500-12 | MSG060 508-J-500-10 | N/A |
| 2440N-06V32 | MHDC016 | 216-200-18 | N/A | N/A |
| 2440N-08V3x | PVC-BLUE-018 | 216-200-18 | N/A | MCGHS20-30 |
| 2440N-08V30/12 | N/A | *P2529-85AL | N/A | MCG002SS MCGHS20-30 |
| 2440N-12V3x | MHDC024 | 220-200-22 | N/A | MCG002SS MCGHS30-40 |
| 2440N-16V3x | MHDC026 | 520-A-500-26 | MSG4125 | MCG003SS MCGHS30-40 |

* Cover sleeve required on TOUGHJACKET hose assemblies.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2440N/2448N- Ultra High Pressure Hose



Features and Applications

- High pressure, low volumetric expansion hose
- Flexible, chemical-resistant, lightweight alternative to steel pipe and rubber hose
- V91 hoses are used in offshore applications such as, control fluids, acidizing, methanol injection and well stimulation

Markets

- Oil & Gas
- Hydraulics



Certifications

- ISO 13628-5 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-----------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2440N-06V91 | Black | 10 | 3/8 | 9.5 | 0.77 | 19.5 | 12,688 | 875 | 7.48 | 190 | 0.49 | 0.73 | LX |
| 2440N-08V91* | Black | 12 | 1/2 | 12.7 | 0.89 | 22.7 | 11,745 | 810 | 7.87 | 200 | 0.63 | 0.94 | LX |
| 2440N-12V91 | Black | 20 | 3/4 | 19.0 | 1.19 | 30.2 | 10,000 | 690 | 9.84 | 250 | 0.98 | 1.46 | LX |
| 2440N-16V91 | Black | 25 | 1 | 25.4 | 1.46 | 37.2 | 8,120 | 560 | 11.81 | 300 | 1.34 | 2.00 | LX |
| 2440N-16V91-10K | Black | 25 | 1 | 25.4 | 1.47 | 37.2 | 10,000 | 690 | 11.81 | 300 | 1.34 | 2.00 | LX |
| | | | | | | | | | | | | | |
| 2448N-04V91 | Black | 6 | 1/4 | 6.4 | 0.54 | 13.7 | 15,000 | 1,035 | 5.90 | 150 | 0.26 | 0.38 | 8X |
| 2448N-08V91 | Black | 12 | 1/2 | 12.7 | 0.89 | 22.7 | 12,688 | 875 | 7.87 | 200 | 0.63 | 0.94 | LX |

Construction

Core Tube: Methanol-washed PA11

Reinforcement: Four spiral layers of maximum tensile steel wire

Cover: PA12

Options

Colors: ● Black

Temperature Range

-40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2440N/2448N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2440N-06V91 | 2440N-08V91 2448N-08V91 | 2440N-12V91 |
|--|---|--|--|
| Fitting Part Numbers  | 1AYLX-8-06C4462 106LX-8-06C4462 106LX-6-06C4462 1Y2LX-9-06C4462 1Y2LX-6-06C4462 | 106LX-8-08C 101LX-8-08C 1C9LX-16-08C 1Y2LX-12-08C | 106LX-16-12C4462 1AYLX-16-12C4462 1Y2LX-12-12C4462 1Y2LX-16-12C4462 |
| | 2440N-16V91 | 2440N-16...10K | 2448N-04V91 |
| | 106LX-16-16C4462 1Y2LX-16-16C4462 | 106LX-16-16C4462 1HNLX-32-16C4462 1Y2LX-16-16C4462 | 1018X-4-04C 1018X-6-04C 1068X-4-04C 1068X-6-04C 1928X-4-04C 1AY8X-6-04C 1Y28X-6-04C 15Y8X-6-04C |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | |
|----------------------------|------------------------------|------------------|-----------------|------------------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Spring Guard | Containment Grip |
| 2448N-04V91 | MHDC012 | 510-A-500-12 | N/A | MCG001SS MCGHS10-15 |
| 2440N-06V91 | MHDC016 | 216-200-18 | N/A | MCGHS15-20 |
| 2440N-08V91 2448N-08V91 | N/A | N/A | N/A | MCGHS20-30 |
| 2440N-12V91 | MHDC024 | 220-200-22 | N/A | MCG002SS MCGHS30-40 |
| 2440N-16V91 | MHDC026 | 520-A-500-26 | MSG4125 | MCG003SS MCGHS30-40 |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2580N- Ultra High Pressure Waterblast Hose



Features and Applications

- Ultra high pressure service for the construction and shipbuilding industries
- General industrial cleaning applications
- Mainly used in hydrodemolition and to remove different kinds of dirt accumulation, or materials from various surfaces, such as those in tanks, from concrete, asphalt, etc.

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2580N-06V12 | Blue | 10 | 3/8 | 9.5 | 0.85 | 21.6 | 23,200 | 1,600 | 3.74 | 95 | 0.63 | 0.94 | BL |
| 2580N-08V12 | Blue | 12 | 1/2 | 12.7 | 0.99 | 25.2 | 20,300 | 1,400 | 5.91 | 150 | 1.19 | 0.80 | BL |
| 2580N-12V13 | Green | 20 | 3/4 | 19.0 | 1.29 | 32.8 | 17,400 | 1,200 | 6.69 | 170 | 1.18 | 1.76 | BL |

Construction

Core Tube: Polyamide

Reinforcement: Four spiral layers and two open spiral layers of high tensile steel wire

Cover: Polyurethane

Options

Colors:  Blue
 Green

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2580N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2580N-06V12 | 2580N-08V12 | 2580N-12V1x |
|--|---|--|----------------------------|
| Fitting Part Numbers  | 1AYBL-11-06 1AYBL-8-06 1C9BL-14-06 1C9BL-16-06 | 1AYBL-11-08 1AYBL-11-08C 1C9BL-14-08 1C9BL-16-08 1C9BL-25-08 | 101BL-12-12 1C9BL-25-12 |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers |
|-------------|------------------------|
| # | Hose Stop |
| 2580N-08V12 | AH-08S |
| 2580N-12V13 | AH-12S |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2640D- Ultra High Pressure Waterblast Hose



Features and Applications

- Ultra high pressure service for the construction and shipbuilding industries
- General industrial cleaning applications
- Hydrodemolition

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|-----|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2640D-025V35 | Orange | 4 | 5/32 | 4.0 | 0.47 | 12.0 | 40,600 | 2,800 | 5.51 | 140 | 0.20 | 0.29 | 2X |
| 2640D-03V37 | Gray | 5 | 3/16 | 4.8 | 0.51 | 12.9 | 36,230 | 2,500 | 6.89 | 175 | 0.28 | 0.41 | 2X |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Six spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors:  Orange

 Gray

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2640D- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2640D-025V3x | 2640D-03V3x |
|--|--|--|
| Fitting Part Numbers  | 16Y2X-4-025 1AY2X-6-025 1AY2X-6-025C 1Y42X-4-025 1Y42X-4-025C 1Y42X-6-025 1Y42X-6-025C | 16Y2X-4-03 1922X-4-03 1AY2X-6-03 1AY2X-6-03C 1Y42X-4-03 1Y42X-4-03C 1Y42X-6-03 1Y42X-6-03C 1Y42X-9-03 1Y42X-9-03C |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | |
|--------------|------------------------------|------------------|------------------------|--------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Containment Grip | Hose Stop |
| 2640D-025V3x | MHDC010 | 508-J-500-10 | MCGHS10-15 | NA |
| 2640D-03V3x | MHDC012 | 510-A-500-12 | MCG001SS MCGHS10-15 | AH-05S |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2640N/2648N- Ultra High Pressure Hose



Features and Applications

- Ultra high pressure service for the construction and shipbuilding industries
- General industrial cleaning applications
- V91 hoses are used in offshore applications such as, control fluids, acidizing, methanol injection and well stimulation
- V91 hose tested according to ISO 13628-5

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2640N-08V32 | Blue | 12 | 1/2 | 12.7 | 0.96 | 24.5 | 26,100 | 1,800 | 11.42 | 290 | 0.92 | 1.37 | 5X |
| 2640N-12V32 | Blue | 20 | 3/4 | 19.0 | 1.30 | 33.0 | 20,300 | 1,400 | 13.78 | 350 | 1.45 | 2.16 | 5X |
| 2648N-12V32 | Blue | 20 | 3/4 | 19.0 | 1.33 | 33.7 | 23,200 | 1,600 | 13.78 | 350 | 1.53 | 2.28 | JX |
| 2648N-16V32 | Blue | 25 | 1 | 25.4 | 1.61 | 40.8 | 21,750 | 1,500 | 15.75 | 400 | 2.08 | 3.10 | CX |

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2640N-12V91 | Black | 20 | 3/4 | 19.0 | 1.31 | 33.2 | 12,500 | 875 | 13.78 | 350 | 1.45 | 2.16 | 5X |

Construction

Core Tube: Polyamide
V91 - Methanol-washed PA11

Reinforcement: Six spiral layers of maximum tensile steel wire

Cover: V32 - Polyamide
V91 - Plasticized Nylon 12

Temperature Range

Waterblast hoses: -40°F to +212°F (-40°C to +100°C) ,
+14°F to +158°F (-10°C to +70°C) for water

O&G hose: -40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.

Options

Colors:  Blue  Black




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2640N/2648N- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2640N-08V32 | *2640N-12V32 | 2640N-12V91 |
|---|------------------------------|---|---------------------------------|
| Fitting Part Numbers  | 6AY5X-11-8C | 6AY5X-16-12C 6C95X-25-12C 6Y25X-16-12C-SL | 6AY5X-16-12C-SD 6Y25X-16-12C |
| | 2648N-12V32 | 2648N-16V32 | |
| | 1AYJX-16-12W 1C9JX-25-12W | 1C9CX-30-16W 1AYCX-16-16 | |

* Fittings listed are a grade of stainless not qualified with V91 hose. Use only on V32 hose assemblies.

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | |
|-------------|---------------------------|---------------|------------------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Containment Grip |
| 2640N-08V32 | PVC-BLUE-018 | 416-400-16 | MCGHS20-30 |
| 2640N-12V32 | PVC-BLUE-024 | 220-200-22 | MCGHS30-40 |
| 2640N-12V91 | MHDC024 | 220-200-22 | MCGHS30-40 |
| 2648N-12V32 | MHDC026 | 520-A-500-26 | MCGHS30-40 |
| 2648N-16V32 | MHDC032 | 532-500 | MCG003SS |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2740D / 2748D / 2749D- Ultra High Pressure Waterblast Hose



Features and Applications

- Small diameter, flexible hoses
- Ideal for tight routing applications
- Replaces high pressure steel tubing where flexibility and long lengths are important to minimize leak points
- Ultra high pressure waterblast lances for the construction and shipbuilding industries, common industrial cleaning applications, and high pressure tube cleaning in petrochemical and power plants
- Hydrodemolition
- Compression forming process (hydroforming) as a manufacturing procedure for truck and automotive industries
- Water Jet Cutting

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|----------------|--------------|--------------|------|-----|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2740D-025V35 | Orange | 4 | 5/32 | 4.0 | 0.47 | 12.0 | 43,500 | 3,000 | 4.72 | 120 | 0.27 | 0.41 | 2X |
| 2740D-03V35 | Orange | 5 | 3/16 | 4.8 | 0.52 | 13.3 | 40,600 | 2,800 | 7.87 | 200 | 0.32 | 0.47 | 2X |
| 2740D-05V37 | Gray | 8 | 5/16 | 7.9 | 0.68 | 17.3 | 36,230 | 2,500 | 7.87 | 200 | 0.54 | 0.80 | 2X |
| 2748D-05V35 | Orange | 8 | 5/16 | 7.9 | 0.68 | 17.3 | 40,600 | 2,800 | 9.05 | 230 | 0.56 | 0.83 | 2X |
| 2749D-05V35 | Orange | 8 | 5/16 | 7.9 | 0.68 | 17.3 | 43,645 | 3,010 | 9.05 | 230 | 0.56 | 0.83 | 2X |
| TOUGHJACKET™ | | | | | | | | | | | | | |
| 2740D-03V32/15 | Orange | 5 | 3/16 | 4.8 | 0.68 | 17.3 | 40,600 | 2,800 | 7.87 | 200 | 0.39 | 0.58 | 2X |
| 2740D-05V32/17 | Gray | 8 | 5/16 | 7.8 | 0.84 | 21.3 | 36,230 | 2,500 | 7.87 | 200 | 0.63 | 0.94 | 2X |
| 2748D-05V32/15 | Orange | 8 | 5/16 | 7.8 | 0.84 | 21.3 | 40,600 | 2,800 | 9.06 | 230 | 0.63 | 0.94 | 2X |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Six spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors:  Orange
 Gray

Temperature Range

+14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.



Built in abrasion resistance eliminates the need for an additional PVC sleeve and lightens the hose by up to 16%.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2740D / 2748D / 2749D- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2740D-025V3x | 2740D-03V3x 2740D-03V32/15 | 2740D-05V3x 2740D-05V32/17 2748D-05V32/15 2748D-05V35 2749D-05V35 |
|---|--|--|--|
| Fitting Part Numbers  | 1AY2X-6-025 1AY2X-6-025C 1Y42X-4-025 1Y42X-4-025C 1Y42X-6-025 1Y42X-6-025C 16Y2X-4-025 | 16Y2X-4-03 1922X-4-03 1AY2X-6-03 1AY2X-6-03C 1Y42X-4-03 1Y42X-4-03C 1Y42X-6-03 1Y42X-6-03C 1Y42X-9-03 1Y42X-9-03C | 1AY2X-10-05-SA 1AY2X-8-05-SA 1Y42X-6-05 1Y42X-9-05 1Y42X-9-05C 1Y42X-9-05-XLT |

Accessories

Technical details available in Section E.

| Hose Part # | 2740D-025V3x | 2740D-03V3x | 2748D-05V3x 2749D-05V3x | 2740D-05V3x | 2740D-03V32/15 | 2740D-03V32/17 | 2748D-05V32/15 |
|---|--------------|------------------------|----------------------------|------------------------|----------------|----------------|----------------|
| Accessory Part Numbers | | | | | | | |
| Heavy Duty Abrasion Cover | MHDC010 | PVC-ORANGE-012 | PVC-ORANGE-016 | MHDC016 | N/A | N/A | N/A |
| Cover Sleeves | 508-J-500-10 | 510-A-500-12 | 412-400 | 216-200-18 | * KL-2841-03 | * KL-2841 | * KL-2841 |
| Containment Grip | MCGHS10-15 | MCG001SS MCGHS10-15 | MCG001SS MCGHS15-20 | MCG001SS MCGHS15-20 | MCG001SS | MCGHS20-30 | MCGHS20-30 |
| Bend Stiffener | N/A | M55STIF4 M55STIF6 | N/A | N/A | N/A | N/A | N/A |
| Bend Restrictor | N/A | MBR013-BLK | N/A | N/A | N/A | N/A | N/A |
| | N/A | 412-400 | N/A | N/A | N/A | N/A | N/A |
| Pressure Containment Shield and Sleeves | N/A | MHBS012 | MHBS016 | MHBS016 | N/A | N/A | N/A |
| | N/A | 412-400 | 412-400-16 | 412-400-16 | N/A | N/A | N/A |
| Hose Stop | AH-05S | AH-05S | AH-07S | AH-07S | N/A | N/A | N/A |

* Cover sleeve required on TOUGHJACKET hose assemblies.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2840D/2848D- Ultra High Pressure Waterblast Hose



Features and Applications

- Ultra high pressure waterblast hose
- Compression forming process (hydroforming)
- Water Jet Cutting

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant except 2840D-03

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|----------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2840D-03V34 | Red | 5 | 3/16 | 4.8 | 0.59 | 15.0 | 58,000 | 4,000 | 7.87 | 200 | 0.43 | 0.63 | 2X |
| 2840D-05V35 | Orange | 8 | 5/16 | 7.9 | 0.77 | 19.6 | 43,500 | 3,000 | 9.84 | 250 | 0.72 | 1.07 | 2X |
| 2840D-08V37 | Gray | 12 | 1/2 | 12.7 | 1.18 | 29.9 | 36,250 | 2,500 | 13.78 | 350 | 1.68 | 2.50 | WX |
| 2848D-08V35 | Orange | 12 | 1/2 | 13.0 | 1.18 | 29.9 | 43,500 | 3,000 | 13.78 | 350 | 1.68 | 2.50 | WX |
| TOUGHJACKET™ | | | | | | | | | | | | | |
| 2840D-03V36/14 | Red | 5 | 3/16 | 4.8 | 0.75 | 19.1 | 58,000 | 4,000 | 7.87 | 200 | 0.50 | 0.75 | 2X |
| 2840D-05V36/15 | Orange | 8 | 5/16 | 7.9 | 0.93 | 23.6 | 43,500 | 3,000 | 9.84 | 250 | 0.82 | 1.22 | 2X |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Eight spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors: Red
 Orange
 Gray

Temperature Range

Temperature Range: +14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.



Built in abrasion resistance eliminates the need for an additional PVC sleeve and lightens the hose by up to 16%.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2840D/2848D- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2840D-03V34 2840D-03V36/14 | 2840D-05V3x 2840D-05V36/15 | 2840D-08V3x 2848D-08V3x |
|--|--|---|----------------------------|
| Fitting Part Numbers  | 16Y2X-4-03 1922X-4-03 1AY2X-6-03 1AY2X-6-03C 1Y42X-4-03 1Y42X-4-03C 1Y42X-6-03 1Y42X-6-03C 1Y42X-9-03 1Y42X-9-03C | 1AY2X-10-05-SA 1AY2X-8-05-SA 1Y42X-6-05 1Y42X-9-05 1Y42X-9-05C 1Y42X-9-05-XLT 1AY2X-13-05-LB-SA | 6Y4WX-16-8C 6YMWX-12-8C |

Accessories

Technical details available in Section E.

| Hose Part # | 2840D-03V34 | 2840D-05V3x | 2840D-08V3x 2848D-08V3x | 2840D-03V36/14 | 2840D-05V36/15 |
|---|----------------------|---------------------|----------------------------|----------------|----------------|
| Accessory Part Numbers | | | | | |
| Heavy Duty Abrasion Cover | MHDC012 | PVC-OR- AGNE-016 | MHDC024 | N/A | N/A |
| Cover Sleeves | 510-A-500-12 | 412-400 | 220-200-22 | * KL-2841-03 | * KL-2841 |
| Contain- ment Grip | MCGHS10-15 | MCGHS15-20 | N/A | MCGHS15-20 | MCGHS20-30 |
| Bend Stiffener | M55STIF4 M55STIF6 | N/A | N/A | N/A | N/A |
| Bend Restrictor | MBR013-BLK | N/A | N/A | N/A | N/A |
| | 412-400 | N/A | N/A | N/A | N/A |
| Pressure Contain- ment Shield and Sleeves | MHBS012 | MHBS016 | N/A | N/A | N/A |
| | 412-400 | 416-400-16 | N/A | N/A | N/A |
| Hose Stop | AH-06S | AH-07S | N/A | N/A | N/A |

* Cover sleeve required on TOUGHJACKET™ hose assemblies.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2849D- Ultra High Pressure Waterblast Hose



Features and Applications

- Ultra-high pressure service for water jet cutting equipment with water only or with abrasive additives
- Replaces steel pipe where flexibility is important
- Compression forming (hydroforming)

Markets

- Waterblast



Certifications

- DIN EN1829-2 compliant

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|----------------|--------------|--------------|------|-----|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2849D-05V34 | Red | 8 | 5/16 | 7.9 | 0.77 | 19.6 | 55,000 | 3,800 | 11.02 | 280 | 0.79 | 1.17 | WX |
| TOUGHJACKET™ | | | | | | | | | | | | | |
| 2849D-05V36/14 | Red | 8 | 5/16 | 7.9 | 0.93 | 23.6 | 55,000 | 3,800 | 11.02 | 280 | 0.82 | 1.22 | WX |

Construction

Core Tube: Polyoxymethylene

Reinforcement: Eight spiral layers of maximum tensile steel wire

Cover: Polyamide

Options

Colors: Red

Temperature Range

Temperature Range: +14°F to +158°F (-10°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.



Built in abrasion resistance eliminates the need for an additional PVC sleeve and lightens the hose by up to 16%.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2849D- Fittings and Accessories

Fittings

Technical details available in Section B.

| | |
|---|--|
| Hose Part # | 2849D-05V34 2849D-05V36/14 |
| Fitting Part Numbers  | 6YMWX-6-5C-55 6Y4WX-9-5C-55 6AYWX-10-5C-55 |

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | | | | | |
|----------------|---------------------------|---------------|------------------|---|------------|-----------|
| # | Heavy Duty Abrasion Cover | Cover Sleeves | Containment Grip | Pressure Containment Shield and Sleeves | | Hose Stop |
| 2849D-05V3X | MHDC016 | 216-200-18 | MCGHS15-20 | MHBS016 | 416-400-16 | AH-07S |
| 2849D-05V36/14 | N/A | *KL-2841 | MCGHS20-30 | N/A | N/A | N/A |

* Cover sleeve required on TOUGHJACKET hose assemblies.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HCR High Collapse Resistant Hose



Markets

- Oil & Gas



Features and Applications

- Collapse resistant to 10,000 ft seawater at 1.5 design factor
- Flexible 316L stainless steel interlocking carcass
- Available in long continuous lengths
- Seamless polyamide 11 core tube
- Abrasion and seawater resistant polyurethane cover
- Compact bend radius
- Subsea Hydraulics
- BOP Stack
- Well Stimulation
- Hydraulic Flying Leads

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Minimum Collapse Pressure | | Collapse Pressure Rating per ISO13628-5 ^{1,2} | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|------|---------------------|-----|--------|------|---------------------------|-----|--|-----|----------------|
| # | | | | | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | psi | bar | psi | bar | |
| HCRV-8 | Black | 8 | 1/2 | 12.7 | 1.04 | 26.4 | 5,000 | 34.5 | 4.0 | 102 | 0.45 | 0.67 | 6,600 | 456 | 4,400 | 303 | HV |
| HCRV-16 | Black | 16 | 1 | 25.4 | 1.83 | 46.4 | 5,000 | 34.5 | 11.8 | 300 | 1.44 | 2.15 | 6,600 | 456 | 4,400 | 303 | HV |

Construction

Carcass: 316L SS

Core tube: Polyamide 11

Reinforcement: Aramid Fiber Braid

Cover: Polyurethane

Options

Colors: Black (standard)
 Blue
 Yellow
 Green

Temperature Range

-40°F to +131°F (-40°C to +55°C)

Minimum Burst Pressure

Min. Burst Pressure is 4x Max. Working Pressure

Fittings

HV Series – constructed of 316 stainless steel

Notes

- 1.5 design factor for collapse pressure per API 17E
- Contact the Parflex Division for installation depths greater than 10,000 ft.




WARNING

This product can expose you to chemicals including Dichloromethane (Methylene chloride), which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HCR - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | HCRV-8 | HCRV-16 |
|--|------------|--------------|
| Fitting Part Numbers  | 106HV-8-8C | 106HV-16-16C |

Accessories

Technical details available in Section E.



WARNING This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| | |
|-------------------|---|
| Hose | A |
| Fittings | B |
| Adapters & Valves | C |
| Quick Couplings | D |
| Accessories | E |
| General Technical | F |

57CR “Sea Wolf”- High Collapse Resistant Hose



Features and Applications

- Ultra-high abrasion resistant
- Suitable for marine (salt water) environment
- ISO 13628-5 “Specification for Subsea Production Control Umbilicals”, Section 7.9 Hose construction
- Smooth bore for improved flow rate and low pressure drop
- Ideal solution for subsea hydraulic lines that are not under constant system pressure
- Hose is not recommended for high pressure pneumatic service applications

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 57CR-8-BLU | Blue | 12 | 1/2 | 12.7 | 1.18 | 30 | 5,000 | 34.5 | 6.25 | 159 | 0.63 | 0.94 | CR |
| 57CR-8-YEL | Yellow | 12 | 1/2 | 12.7 | 1.18 | 30 | 5,000 | 34.5 | 6.25 | 159 | 0.63 | 0.94 | CR |
| 57CR-16-BLU | Blue | 25 | 1 | 25.4 | 2 | 50.8 | 5,000 | 34.5 | 10.75 | 273 | 1.46 | 2.17 | CR |
| 57CR-16-YEL | Yellow | 25 | 1 | 25.4 | 2 | 50.8 | 5,000 | 34.5 | 10.75 | 273 | 1.46 | 2.17 | CR |

Construction

Core Tube: Polyamide with stainless steel helix support

Reinforcement: High tensile strength aramid fiber

Cover: Polyurethane

Options

Colors: Blue
 Yellow

Temperature Range

-40°F to +140°F (-40°C to +60°C) for petroleum, synthetic hydraulic oils, water and water-based hydraulic fluid

Minimum Burst Pressure

Min. Burst Pressure is 4x Max. Working Pressure

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

57CR “Sea Wolf”- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 57CR-8 | 57CR-16 |
|--|--|--|
| Fitting Part Numbers  | 606CR-8-8C 66ACR-16-8C-SUBSEA* 66ACR-16-8C-SUBSEA-90* 66ACR-8-8C-SUBSEA* 66ACR-8-8C-SUBSEA-90* | 606CR-16-16C 66ACR-16-16C-SUBSEA* 66ACR-16-16C-SUBSEA-90* 66ACR-24-16C-SUBSEA* 66ACR-24-16C-SUBSEA-90* |

*6A code on CR Series fittings are dual seal connections

Accessories

Technical details available in Section E.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HP- High Pressure Hose

HP8- High Pressure Non-Conductive Hose



Features and Applications

- Meets or exceeds SAE J517 for less than 50 microamps leakage under 75000 volts per foot*
- Specially formulated thermoplastic elastomer core tube
- For use in high pressure hydraulic and pneumatic applications and can be used with lubricating oils
- Non-conductive version (HP8) used in aerial lift equipment
- High pressure tools
- Rigging jacks
- Test apparatus
- Oilfield pressure control devices
- Offshore oil applications

Markets

- Oil & Gas
- Hydraulics



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|-----|--------------|------|--------------------------|-----|---------------------|----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| HP-3 | Blue | 5 | 3/16 | 4.8 | 0.51 | 13.0 | 10,000 | 690 | 1.50 | 38 | 0.09 | 0.13 | HP* |
| HP-4 | Blue | 6 | 1/4 | 6.4 | 0.58 | 14.7 | 10,000 | 690 | 2.50 | 64 | 0.11 | 0.16 | HP* |
| HP-6 | Blue | 10 | 3/8 | 9.5 | 0.73 | 18.5 | 8,000 | 552 | 3.00 | 76 | 0.16 | 0.23 | HP* |
| HP8-3* | Orange | 5 | 3/16 | 4.8 | 0.51 | 13.0 | 10,000 | 690 | 1.50 | 38 | 0.09 | 0.13 | HP* |
| HP8-4* | Orange | 6 | 1/4 | 6.4 | 0.58 | 14.7 | 10,000 | 690 | 2.50 | 64 | 0.11 | 0.16 | HP* |
| HP8-6* | Orange | 10 | 3/8 | 9.5 | 0.73 | 18.5 | 8,000 | 552 | 3.00 | 76 | 0.16 | 0.23 | HP* |

Minimum hose assembly lengths: 30 in.

Construction

Core Tube: Specially formulated thermoplastic elastomer

Reinforcement: High tensile strength aramid fiber

Cover: HP- perforated elastomeric cover
HP8- non-perforated elastomeric cover

Options

Colors: Blue
 Orange

Temperature Range

-40°F to +150°F (-40°C to +66°C) for petroleum, synthetic or water-based hydraulic fluids, pneumatic and gas service, and with some solvents and chemicals

Notes

- HP8 is not qualified for pneumatic gas service applications
- Not recommended for water blast applications or for use in static discharge applications (i.e., airless paint spray)
- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly
- HP/HP8 hose must be assembled at the factory or by a Parflex approved facility




WARNING

This product can expose you to chemicals including Nickel Compounds, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HP / HP8- Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | HP-3 | HP-4 | HP-6 | HP8-3 | HP8-4 | HP8-6 |
|--|-------------------------------------|--|------------------------|-------------------------------------|---|------------------------|
| Fitting Part Numbers  | 101HP-4-3 101HP-6-3 106HP-4-3 | 101HP-4-4 101HP-6-4 106HP-4-4 106HP-6-4 | 101HP-6-6 106HP-6-6 | 101HP-4-3 101HP-6-3 106HP-4-3 | 101HP-4-3 101HP-4-4 101HP-6-4 106HP-4-4 106HP-6-4 | 101HP-6-6 106HP-6-6 |

Required Accessories

Technical details available in Section E.

| Hose Part # | Accessory Part Numbers |
|----------------|------------------------------|
| | High Pressure Guard Kit |
| HP-3 | HPG3-12K HPG3-23K |
| HP-4 | HPG4-12K HPG4-23K |
| HP-6 | HPG6-12K HPG6-23K |
| HP8-3 | HPG3-12K-ORG HPG3-23K-ORG |
| HP8-4 | HPG4-12K-ORG HPG4-23K-ORG |
| HP8-6 | HPG6-12K-ORG HPG6-23K-ORG |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Black Eagle - 1-1/2" Oilfield Service Hose



Markets

- Oil & Gas



Features and Applications

- Up to 30% weight reduction in comparison to R13 rubber hoses - more than 70% in comparison to flexible pipe
- Lower bend radius when compared to composite hose
- Compact design - smaller O.D. than flexible pipe
- ColorGard™, an extra thick dual color Polyurethane sheath*
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- Inner core has superior chemical resistance
- For oilfield services such as: cementing, water and gas injection hose, acidizing, mud circulation

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-----------------|--------------|--------------|-------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2640N-24V80 | Black | 40 | 1-1/2 | 38.1 | 2.78 | 70.5 | 10,000 | 690 | 19.69 | 500 | 4.84 | 7.20 | 5X |
| 2640N-24V80-15K | Black | 40 | 1-1/2 | 38.1 | 2.60 | 66.0 | 15,000 | 1,035 | 19.69 | 500 | 4.37 | 6.50 | 5X |

Construction

Core Tube: Polyamide 11, methanol washed

Reinforcement: 6 layers of high tensile steel wire

Cover: Extra thick dual layer polyurethane

Options

Colors: ● Black w/ ColorGard™ red inner sheath

Temperature Range

-40°F to +158°F (-40°C to +70°C),
15K hose can be used intermittently at +212°F (+100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- * Polyflex ColorGard™ extra thick, dual color cover significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the "early warning" red inner cover can be seen, the hose needs to be changed out.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Black Eagle - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2640N-24V80 | 2640N-24V80-15K |
|---|--|--|
| Fitting Part Numbers  | *6015X-32-24-TC 6HB5X-32-24-TC-10K 6HB5X-32-24-TC-10K-FLG 6HE5X-32-24-FLATTC 6HE5X-32-24-SEGTC 6HN5X-32-24-TC | 1HE5X-32-24C4462-KOP2 1HN5X-32-24C4462-KOP2 |

* 5,000 psi maximum allowable working pressure.
Other hub end fitting designs available.

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | |
|-----------------|------------------------|-------------|
| # | Containment Grip | Heat Shrink |
| 2640N-24V80 | MCGHS3295-SS | HDT4500-48A |
| 2640N-24V80-15K | HS-24C-2640N | HDT4500-48A |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Hose
A

Fittings
B

Adapters & Valves
C

Quick Couplings
D

Accessories
E

General Technical
F

Black Eagle - 2" Oilfield Service Hose



Features

- Up to 30% weight reduction in comparison to R13 rubber hoses - more than 70% in comparison to flexible pipe
- Lower bend radius when compared to composite hose
- Compact design - smaller O.D. than flexible pipe
- ColorGard™, an extra thick dual color Polyurethane sheath*
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- Inner core has superior chemical resistance
- *DNV Type Approval P 14038 according to API 7K and API 17J with BL Fittings
- For oilfield services such as: cementing, water and gas injection hose, acidizing, mud circulation

Markets

- Oil & Gas



Fittings

B

Adapters & Valves

C

Quick Couplings

D

Accessories

E

General Technical

F

| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|--------------|--------------|--------------|------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|-------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2448N-32V80* | Black | 50 | 2 | 50.8 | 3.17 | 80.5 | 5,000 | 345 | 20 | 508 | 5.71 | 8.50 | 5X |
| 2580N-32V80* | Black | 50 | 2 | 50.8 | 3.33 | 84.5 | 10,000 | 690 | 32 | 813 | 6.32 | 9.40 | 5X |
| 2648N-32V80 | Black | 50 | 2 | 50.8 | 3.39 | 86.0 | 15,000 | 1,035 | 31 | 787 | 8.13 | 12.10 | CX |

Construction

Core Tube: Polyamide 11, methanol washed

Reinforcement:

2448N – 4 spiral layers of high tensile steel wire

2580N – 4 spiral layers and 2 open spiral layers high tensile steel wire

2648N – 6 spiral layers of high tensile steel wire

Cover: Extra thick dual layer polyurethane

Temperature Range

-40°F to +158°F (-40°C to +70°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- * Polyflex ColorGard™ extra thick, dual color cover significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the “early warning” red inner cover can be seen, the hose needs to be changed out.

Options

Colors: ● Black w/ ColorGard™ red inner sheath




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Black Eagle - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2448N-32V80 | 2580N-32V80 | 2648N-32V80 |
|---|--|--|---------------------------------|
| Fitting Part Numbers  | 6015X-32-32-TC 66A5X-32-32TC3694 68K5X-33-32-17DSV3964-5K 68K5X-41-32-17DSV3964-5K 6HB5X-33-32-TC3964-5K 6HB5X-41-32-TC3964-5K 6HE5X-32-32-FLATTC 6HE5X-32-32-SEGTC 6HN5X-32-32-TC | 68K5X-33-32-17DSV3964-10K 6HB5X-33-32-TC3964-10K 6HE5X-32-32-FLATTC 6HE5X-32-32-SEGTC 6HN5X-32-32-TC | 1HECX-32-32-FLAT 1HNCX-32-32 |

Other hub end fitting designs available.

Accessories

Technical details available in Section E.

| Hose Part | Accessory Part Numbers | |
|-------------|------------------------|-------------|
| # | Containment Grip | Heat Shrink |
| 2448N-32V80 | MCGHS3295-SS | HDT4500-48A |
| 2580N-32V80 | MCGHS3295-SS | HDT4500-48A |
| 2648N-32V80 | MCGHS3295-SS | HDT4500-48A |



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Black Eagle – 3" Oilfield Service Hose



Features

- Up to 30% weight reduction in comparison to R13 rubber hoses – more than 70% in comparison to flexible pipe
- Lower bend radius when compared to composite hose
- Compact design – smaller O.D. than flexible pipe
- Colorard™, an extra thick dual color Polyurethane sheath*
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- Inner core has superior chemical resistance
- DNV Type Approval P 14038 according to API 7K and API 17J
- For oilfield services such as: cementing, water and gas injection hose, acidizing, mud circulation

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|-------|--------------------------|-------|---------------------|------|--------|-------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2240N-48V80 | Black | 78 | 3 | 76.0 | 4.49 | 114.0 | 5,000 | 345 | 39.93 | 1000 | 7.73 | 11.50 | TX |
| 2440N-48V80 | Black | 78 | 3 | 76.0 | 4.80 | 122.0 | 10,000 | 690 | 43.31 | 1100 | 12.57 | 18.70 | LX |
| 2640N-48V80 | Black | 78 | 3 | 76.0 | 4.49 | 130.5 | 15,000 | 1,035 | 47.30 | 1200 | 18.48 | 27.50 | 5X |

Construction

Core Tube: Polyamide 11, methanol washed

Reinforcement:

2240N – 2 spiral layers of high tensile steel wire

2440N – 4 spiral layers high tensile steel wire

2640N – 6 spiral layers of high tensile steel wire

Cover: Extra thick dual layer polyurethane

Options

Colors: ● Black w/ ColorGard™ red inner sheath

Temperature Range

-40°F to +158°F (-40°C to +70°C), 2240N and 2440N can be used intermittently at +212°F (+100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- * Polyflex ColorGard™ extra thick, dual color cover significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the “early warning” red inner cover can be seen, the hose needs to be changed out.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Black Eagle - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2240N-48V80 | 2440N-48V80 | 2640N-48V80 |
|--|--|--|--|
| Fitting Part Numbers  | 1HETX-48-48 1HETX-48-48-FLAT 1HNTX-48-48 | 1HELX-48-48 1HELX-48-48-FLAT 1HNLX-48-48 | 1HE5X-48-48 1HE5X-48-48-FLAT 1HN5X-48-48 |

Accessories

Technical details available in Section E.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Black Eagle Light - Cementing Hose



Features

- Abrasive applications, such as cementing
- Significantly higher abrasion resistance than common elastomer materials — longer service life and less contamination in cement slurry
- Easy visualization of core tube erosion— more efficient product inspection and reduced unscheduled downtime
- Lighter weight and smaller O.D. than common 4-layer constructions - faster and easier deployment

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2240N-32V10 | Black | 50 | 2 | 50.8 | 2.70 | 68.5 | 3,000 | 207 | 19.69 | 500 | 2.96 | 4.40 | S6* |
| 2248N-32V10 | Black | 50 | 2 | 50.8 | 2.70 | 68.5 | 5,000 | 345 | 19.69 | 500 | 2.96 | 4.40 | S6* |

Construction

Core Tube: Polyamide 11, two-layer core tube

Reinforcement: Two closed spiral layers of high tensile steel wire

Cover: Polyurethane

Options

Colors: ● Black

Temperature Range°

-40°F to +212°F (-40°C to +100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- * Fittings are not for use subsea. For subsea applications, see traditional **Black Eagle** product series.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Black Eagle Light - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2240N-32V10 | 2448N-32V10 |
|--|--|--|
| Fitting Part Numbers  | Offshore*: 1HES6-32-32-FLAT-SC 1HNS6-32-32-SC Onshore: 1HES6-32-32-FLAT 1HNS6-32-32 | Offshore*: 1HES6-32-32-FLAT-SC 1HNS6-32-32-SC Onshore: 1HES6-32-32-FLAT 1HNS6-32-32 |

*Fittings are not for use subsea. For subsea applications, see traditional **Black Eagle** product series.

Accessories

Technical details available in Section E.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Golden Eagle - Chemical Injection and Acidizing Hose



Features and Applications

- ColorGard™, an extra thick dual color polyurethane sheath*
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- Inner core has superior chemical resistance
- Compact design – smaller O.D. than flexible pipe
- Up to 30% weight reduction in comparison to R13 rubber hoses – more than 70% in comparison to flexible pipe
- Lower bend radius when compared to composite hose
- Water and chemical injection hose
- Acidizing
- Not recommended for gas applications

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|-------|------|--------------|------|--------------------------|-----|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2640M-24V88 | Gold | 40 | 1-1/2 | 38.1 | 2.78 | 70.5 | 10,000 | 690 | 19.69 | 500 | 4.84 | 7.20 | 5X |
| 2580M-32V88 | Gold | 50 | 2 | 50.8 | 3.33 | 84.5 | 10,000 | 690 | 31.50 | 800 | 6.32 | 9.40 | 5X |

Construction

Core Tube: Polyamide 11, methanol washed

Reinforcement:

2640M – 6 spiral layers of high tensile steel wire

2580M – 4 spiral layers and two open spiral layers of high tensile steel wire

Cover: Extra thick dual layer polyurethane

Options

Colors: Gold w/ ColorGard™ red inner sheath

Temperature Range

-40°F to +158°F (-40°C to +70°C);
2640M short term up to +212°F (+100°C)

Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- * Polyflex ColorGard™ extra thick, dual color cover significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the “early warning” red inner cover can be seen, the hose needs to be changed out.




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Golden Eagle - Fittings and Accessories

Fittings

Technical details available in Section B.

| Hose Part # | 2640M-24V88 | 2580M-32V88 |
|--|--|--|
| Fitting Part Numbers  | 1HE5X-32-24C4462-FLATTC 1HN5X-32-24C4462-TC | 68K5X-33-32-17DSV3964-10K 6HB5X-33-32-TC3964-10K 6HE5X-32-32-FLATTC 6HE5X-32-32-SEGTC 6HN5X-32-32-TC |

Other hub end fitting designs available.

Accessories

Technical details available in Section E.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ChemJec - Long-length Umbilical Hose



Features

- Excellent chemical resistance
- Medium pressure, high temperature, low volumetric expansion hose
- Withstands high pressure cycles with no signs of stress cracking
- Meets or exceeds the performance requirements of ISO 13628-5
- Long-length subsea umbilical hose
- Not recommended for gas applications

Markets

- Oil & Gas



| Part Number | Jacket Color | Nominal I.D. | | | Maximum O.D. | | Maximum Working Pressure | | Minimum Bend Radius | | Weight | | Fitting Series |
|-------------|--------------|--------------|-------|------|--------------|------|--------------------------|-------|---------------------|-----|--------|------|----------------|
| # | | | | | | | | | | | | | |
| | | DN | inch | mm | inch | mm | psi | bar | inch | mm | lbs/ft | kg/m | |
| 2440M-04V38 | Gold | 6 | 1/4 | 6.4 | 0.52 | 13.1 | 12,500 | 875 | 5.90 | 150 | 0.21 | 0.31 | 8X |
| 2440M-05V38 | Gold | 8 | 5/16 | 7.9 | 0.64 | 16.2 | 10,000 | 690 | 6.88 | 175 | 0.33 | 0.49 | LX |
| 2440M-06V38 | Gold | 10 | 3/8 | 9.5 | 0.77 | 19.5 | 10,000 | 690 | 7.48 | 190 | 0.49 | 0.73 | LX |
| 2440M-08V38 | Gold | 12 | 1/2 | 12.7 | 0.89 | 22.7 | 10,000 | 690 | 7.87 | 200 | 0.63 | 0.94 | LX |
| | | | | | | | | | | | | | |
| 2448M-04V38 | Gold | 6 | 1/4 | 6.4 | 0.54 | 13.7 | 15,000 | 1,035 | 9.06 | 230 | 0.26 | 0.38 | UX |
| 2448M-05V38 | Gold | 8 | 5/16 | 7.9 | 0.64 | 16.3 | 15,000 | 1,035 | 9.06 | 230 | 0.35 | 0.52 | LX |
| 2448M-06V38 | Gold | 10 | 13/32 | 10.2 | 0.79 | 20.1 | 15,000 | 1,035 | 7.87 | 200 | 0.56 | 0.83 | UX |
| | | | | | | | | | | | | | |
| 2640M-08V38 | Gold | 12 | 1/2 | 12.7 | 0.97 | 24.7 | 15,000 | 1,035 | 11.42 | 290 | 0.90 | 1.34 | 5X |

Construction

Core Tube: Proprietary specification, based on fluoropolymer technology

Reinforcement:

2440M / 2448M – 4 closed spiral layers of high tensile steel wire
2640M – 6 closed spiral layers of high tensile steel wire

Cover: Polyamide 12

Temperature Range

-40°F to +212°F (-40°C to +100°C)

Notes

- Not recommended for gas applications
- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.

Options

Colors: ● Gold




WARNING

This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Fittings

Technical details available in Section B.

| Hose Part # | 2440M-04V38 | 2440M-05V38 | 2440M-06V38 |
|---|--|--|---|
| Fitting Part Numbers  | 1018X-4-04C 1018X-6-04C 1028X-4-04C 1068X-4-04C 1068X-6-04C 1AY8X-6-04C | 6AYLX-8-5C-M-SUBSEA 106LX-6-05C 1AYLX-8-05C | 6AYLX-8-6C-SUBSEA 106LX-6-06C-M-SUBSEA 106LX-8-06C-M-SUBSEA |
| | 2440M-08V38 | 2448M-04V38 | 2448M-05V38 |
| | 106LX-8-08C-M-SUBSEA 1Y2LX-12-08C-M-SUBSEA | 101UX-6-04C 1AYUX-6-04C 1Y2UX-6-04C | 6AYLX-8-5C-M-SUBSEA |
| | 2448M-06V38 | 2640M-08V38 | |
| | 1AYUX-8-06C 1Y2UX-9-06C | 1AY5X-11-08C-M-SUBSEA 1Y25X-12-08C-M-SUBSEA 1Y25X-9-08C-M-SUBSEA | |

Accessories

Technical details available in Section E.



WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

