HYPERLINE FX®
PTFE hose for automotive and general purpose applications
Smooth bore, but with much improved flexibility due to the externally convoluted PTFE liner design

HYPERLINE FX PTFE HOSE ASSEMBLY

304 STAINLESS STEEL WIRE BRAID
(OR BLACK ARAMID FIBRE BRAID)

PTFE LINER TUBE
SMOOTH INSIDE, CONVOLUTED OUTSIDE
NATURAL, WHITE PTFE (AS SHOWN) OR BLACK, ANTI-STATIC PTFE

HYPERLINE FX HOSE SPECIFICATIONS

HOSE BORE SIZE RANGE -
1/4" (6MM) UP TO 1" (25MM)

HOSE LENGTHS -
ALL SIZES UP TO 18 METRES (60 FEET)
CUT LENGTHS AND PREFORMED LENGTHS AVAILABLE

TEMPERATURE LIMITS -
-73°C (-100°F) UP TO +260°C (+500°F), DEPENDING ON PRESSURE

WORKING PRESSURE RATINGs -
Stainless Steel Braided (SS grade)
FROM 88 BAR (1280 PSI) FOR 1/4" TO 40 BAR (580 PSI) FOR 1"
Aramid Fibre Braided (AM grade)
FROM 62 BAR (900 PSI) FOR 1/4" TO 28 BAR (400 PSI) FOR 1"

VACUUM LIMITATIONS -
USABLE AT VACUUM TO -0.9 BAR FOR ALL SIZES OF SS BRAIDED HOSE UP TO 150°C (300°F)

END FITTING OPTIONS
BSPT AND NPT MALE AND FEMALE, BSP AND NPSM CONE AND FLAT SEAT FEMALE UNION FITTINGS, JIC THREADED FITTINGS, STANDPIPE FITTINGS AND MANY MORE

STANDARD BRAID OPTIONS -
STAINLESS STEEL WIRE OR BLACK ARAMID FIBRE BRAID

ALTERNATIVE DESIGN OPTIONS (to special order) -
PVC, NYLON II, SARLINK, HYTREL, PEROXIDE CURED SILICONE AND OTHER PLASTIC COVERS, CLEAR OR COLOURED, WITH PRINTING

FOR THE FULL HYPERLINE FX HOSE BROCHURE PLEASE VISIT - WWW.AFLEX-HOSE.COM
Specifications listed below are for non-antistatic grades. For anti-static (AS) grades the specifications are all the same, except that "AS" is added to the grade reference, and the part number reads "-110-" in place of "-100-".

** Hydrualic Bore Size - The actual bore sizes of Hyperline FX hose are slightly larger than the nominal size, to allow the insertion and assembly of standard Hydraulic Fittings, using ferrules supplied by Aflex Hose.

** TO grade = Tube only

### PROPERTIES

#### Temperatures and Pressures

**Hyperline FX, SS Grades** - The MWP listed above should be reduced by 1% for each 1°C above 160°C (1% for each 1.8°F above 320°F) up to a maximum of 260°C (500°F).

**Hyperline FX, AM Grades** - The MWP listed above should be reduced by 1% for each 1°C above 130°C (1% for each 1.8°F above 266°F) up to a maximum of 180°C (356°F).

Maximum Working Pressures (MWP) listed are calculated on the basis of a 3:1 safety factor relative to the burst pressure, so Burst Pressure = 3 x MWP. If MWP is required based on a 4:1 safety factor requirement, multiply the listed value by 0.75.

#### LOOSE HOSE LENGTHS

Loose hose is supplied in random lengths up to a maximum of 18 metres (60 feet) long.

#### ASSEMBLED HOSE LENGTHS

Hyperline FX hose assemblies are made up to the specific lengths required. The hose length is taken as the length from the sealing face at one end of the hose to the same at the other end. The length tolerance required. The hose length is taken as the length from the sealing face at one end of the hose to the same at the other end. The length tolerance is normally +2% / -0%. Closer tolerances are available to special order.

### HYPFX - UK/13.12.19 Rev 4

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