

E1

ENERGY ONE WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series BITELOK Crimp Couplings and K000 Series Field Attachable Couplings.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

BITELOK NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16).

FIELD ATTACHABLE NON-SKIVE

6000 Series insert (sizes -04 to -16).

K000 Series ferrule (sizes -04 to -16).

Refer to Product Technical Manual-Hydraulics for assembly instructions.

| E1 - ENERGY HOSE | | | | | | | | | | | | | | | | |
|------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|-----------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| E14 | 6 | -04 | 6,3 | 1/4 | 13,3 | 0.52 | 225 | 3250 | 900 | 13000 | 100 | 4.0 | 0,22 | 0.15 | T2000 | 6000 (K000) |
| E15 | 8 | -05 | 7,9 | 5/16 | 14,9 | 0.59 | 215 | 3100 | 860 | 12400 | 115 | 4.5 | 0,25 | 0.17 | T2000 | |
| E16 | 10 | -06 | 9,5 | 3/8 | 17,3 | 0.68 | 180 | 2600 | 720 | 10400 | 125 | 5.0 | 0,31 | 0.21 | T2000 | 6000 (K000) |
| E18 | 12 | -08 | 12,7 | 1/2 | 20,3 | 0.80 | 160 | 2300 | 640 | 9200 | 180 | 7.0 | 0,39 | 0.26 | T2000 | 6000 (K000) |
| E110 | 16 | -10 | 15,9 | 5/8 | 23,6 | 0.93 | 130 | 1900 | 520 | 7600 | 200 | 7.9 | 0,49 | 0.33 | T2000 | 6000 (K000) |
| E112 | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 105 | 1500 | 420 | 6000 | 240 | 9.5 | 0,62 | 0.42 | T2000 | 6000 (K000) |
| E116 | 25 | -16 | 25,4 | 1 | 35,5 | 1.40 | 88 | 1280 | 352 | 5120 | 300 | 11.8 | 0,90 | 0.60 | T2000 | 6000 (K000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.