

EC1

ENERGY COMPACT
ONE WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Ideal for high pressure use that requires a more compact outside diameter than some other one wire braid hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 857 Type 1SC, ISO 11237 Type 1SC.

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.

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).

Refer to Product Technical Manual-Hydraulics for assembly instructions.

| EC1 - ENERGY COMPACT HOSE | | | | | | | | | | | | | | | |
|---------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| EC14 | 6 | -04 | 6,4 | 1/4 | 12,2 | 0.48 | 225 | 3250 | 900 | 13000 | 75 | 3.0 | 0,20 | 0.13 | T2000 |
| EC15 | 8 | -05 | 7,9 | 5/16 | 13,9 | 0.55 | 215 | 3100 | 860 | 12400 | 85 | 3.3 | 0,22 | 0.15 | T2000 |
| EC16 | 10 | -06 | 9,5 | 3/8 | 15,6 | 0.61 | 180 | 2600 | 720 | 10400 | 90 | 3.5 | 0,26 | 0.17 | T2000 |
| EC18 | 12 | -08 | 12,7 | 1/2 | 19,0 | 0.75 | 160 | 2300 | 640 | 9200 | 130 | 5.1 | 0,33 | 0.22 | T2000 |
| EC110 | 16 | -10 | 15,9 | 5/8 | 20,2 | 0.80 | 130 | 1900 | 520 | 7600 | 170 | 6.7 | 0,44 | 0.30 | T2000 |
| EC112 | 19 | -12 | 19,1 | 3/4 | 25,6 | 1.01 | 105 | 1500 | 420 | 6000 | 200 | 7.9 | 0,50 | 0.34 | T2000 |
| EC116 | 25 | -16 | 25,4 | 1 | 33,6 | 1.32 | 88 | 1280 | 352 | 5120 | 250 | 9.8 | 0,75 | 0.50 | T2000 |

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