

## SX35LT

### No-Skive Multispiral

Parker Specification

#### Primary Applications

General high pressure hydraulic applications for very low temperature environments

#### Applicable Specifications

Parker Specification



- **No-Skive** hose construction
- Superior performances in extreme cold conditions
- Reinforcement of four high tensile steel wires
- Constant working pressure of 35.0 MPa
- Low Temperature range up to -57 °C (-70 °F)

#### Construction

Inner tube: Synthetic rubber  
Reinforcement: Four high-tensile steel wires  
Cover: Synthetic rubber

Temperature Range ..... -57 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

#### Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series



| Part Number | Hose I.D. |       |      |      | Hose O.D.<br>mm | Pressure Rating              |      |                            |       | min. bend radius<br>mm | weight<br>kg |
|-------------|-----------|-------|------|------|-----------------|------------------------------|------|----------------------------|-------|------------------------|--------------|
|             | DN        | Inch  | Size | mm   |                 | max. working pressure<br>MPa | psi  | min. burst pressure<br>MPa | psi   |                        |              |
| SX35LT-12   | 20        | 3/4   | -12  | 19.1 | 32.4            | 35.0                         | 5000 | 140.0                      | 20000 | 240                    | 1.72         |
| SX35LT-16   | 25        | 1     | -16  | 25.4 | 38.2            | 35.0                         | 5000 | 140.0                      | 20000 | 300                    | 2.14         |
| SX35LT-20   | 32        | 1 1/4 | -20  | 31.5 | 46.3            | 35.0                         | 5000 | 140.0                      | 20000 | 420                    | 2.96         |

The combination of high temperature and high pressure could reduce the hose life.

#### Hose layline example

|                                                                                    |                                    |                                                                                           |                                                                                                 |                    |                                    |               |
|------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------|------------------------------------|---------------|
|  | SX35LT-12 19 mm (3/4")<br>NO-SKIVE | POLAR  | ENVIRONMENT  | WP 35,0 (5000 PSI) | -57°C TO +100°C<br>-70°F TO +212°F | MADE IN ITALY |
|------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------|------------------------------------|---------------|

