

# Dunlop Type 263/264

## - Rough Bore Suction and Discharge Hose

Fully complying with BS EN 1765: 2004 Type R15

### Application

Generally used for medium to heavy duty service at dockside and jetty locations where the working conditions demand a robust construction to accommodate rougher handling, higher working pressures and flow rates.

Type 264 hoses are prototyped to the requirements of BS EN1765: 2004 but for higher working pressures than specified in BS EN1765.

|                                     |  |
|-------------------------------------|--|
| <b>Working/Burst Pressure (R15)</b> | <b>15/60 bar (Dunlop Type 263)<br/>21/84 bar (Dunlop Type 264)</b> |
| <b>Operating Temperature</b>        | -20°C to +82°C   |
| <b>Electrical Continuity</b>        | Hoses can only be supplied electrically continuous                 |
| <b>Maximum lengths</b>              | 15m  |



### Construction

|                           |   |
|---------------------------|---|
| <b>Lining</b>             | An oil resistant nitrile based rubber compound for petroleum products with an aromatic content up to 50%, reinforced with a nylon breaker fabric that supports the lining between the turns of the wire |
| <b>Main reinforcement</b> | Multiple plies of high tenacity rayon cord designed for a combination of high strength and resistance to fatigue. Each layer is fully encapsulated in rubber to prevent abrasion with adjacent layers   |
| <b>Embed wire</b>         | A high tensile steel wire helix is included to prevent collapse and aid crush resistance. Surrounded by filler rubber to prevent abrasion against the adjacent cord layers                              |
| <b>Holding ply</b>        | Nylon breaker plies to hold in place the helical steel wire and ensure greater adhesion between cover and body components   |
| <b>Cover</b>              | Weathering and abrasion resistant rubber compound   |
| <b>Fittings</b>           | Built-in steel nipples with flanges to suit customer requirements   |
| <b>Internal Wire</b>      | To aid strength and resist delamination, a wire is semi-embedded into the lining to provide a relatively smooth surface   |

### Technical Design Data

| ID             |     | OD       |          | Body Weight |          | End Weight | MBR  | Maximum Working Tensile Load |          |
|----------------|-----|----------|----------|-------------|----------|------------|------|------------------------------|----------|
| Type 263 & 264 |     | Type 263 | Type 264 | Type 263    | Type 264 | All        | All  | Type 263                     | Type 264 |
| inch           | mm  | mm       | mm       | kg/m        | kg/m     | kg/hose    | m    | Tonnes                       | Tonnes   |
| 3              | 76  | 116      | 125      | 6.0         | 9.9      | 35         | 0.46 | 3.1                          | 3.8      |
| 4              | 102 | 144      | 150      | 8.7         | 12.4     | 48         | 0.60 | 3.9                          | 5.9      |
| 6              | 152 | 201      | 204      | 14.6        | 19.3     | 59         | 0.90 | 11.5                         | 6.1      |
| 8              | 203 | 261      | 267      | 23.6        | 33.7     | 72         | 1.20 | 14.8                         | 19.7     |
| 10             | 254 | 312      | 323      | 28.5        | 44.4     | 109        | 1.50 | 17.5                         | 16.6     |
| 12             | 305 | 358      | 375      | 30.1        | 54.1     | 112        | 1.80 | 15.9                         | 15.1     |

Hoses manufactured in the United Kingdom

CE branded hoses showing full compliance with European Pressure Equipment Directive PED 97/23/EC