

### PH257 - 1SC

Applicable Standard : EN 857 - 1SC / ISO 11237



## Construction

|                      |                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inner tube</b>    | Black Colour, Synthetic rubber resistant to oil & water                                                                                                                                                                                                                    |
| <b>Reinforcement</b> | Single steel wire braid                                                                                                                                                                                                                                                    |
| <b>Cover</b>         | Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone. Available in wrap and smooth finish*                                                                                                                                                        |
| <b>Application</b>   | Medium Pressure Hydraulic Lines 75 to 225 bar requiring compact outer dia and high flexibility for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems |

| Cover Options         | Temperature Usage Options                                  |
|-----------------------|------------------------------------------------------------|
| PH257: MSHA           | PH557 : Low temperature -55°C to +100°C                    |
| PH221 : HARDX MSHA    | PH267 : High temperature MSHA cover -40°C to +135°C        |
| PH457 : ABRAZONX MSHA | PH269 : Ultra high temperature MSHA cover - 40°C to +150°C |

**Note :** 1.1/4" 1SC not Covered under EN857

| Item Code | Dash Size | DN | ID    |      | OD   |      | WP   |     | BP    |     | BR/r |     | W<br>kg/m | Qty (ft) | Type | No of sections |
|-----------|-----------|----|-------|------|------|------|------|-----|-------|-----|------|-----|-----------|----------|------|----------------|
|           |           |    | inch  | mm   | inch | mm   | psi  | bar | psi   | bar | inch | mm  |           |          |      |                |
| PH257-04  | -04       | 06 | 1/4   | 6.7  | 0.51 | 13.0 | 3265 | 225 | 13050 | 900 | 2.0  | 50  | 0.216     |          |      |                |
| PH257-05  | -05       | 08 | 5/16  | 8.2  | 0.56 | 14.1 | 3120 | 215 | 12470 | 860 | 2.2  | 55  | 0.242     |          |      |                |
| PH257-06  | -06       | 10 | 3/8   | 9.8  | 0.64 | 16.3 | 2610 | 180 | 10440 | 720 | 2.4  | 60  | 0.308     |          |      |                |
| PH257-08  | -08       | 12 | 1/2   | 13.1 | 0.79 | 20.1 | 2320 | 160 | 9280  | 640 | 2.8  | 70  | 0.442     |          |      |                |
| PH257-10  | -10       | 16 | 5/8   | 16.2 | 0.89 | 22.5 | 1885 | 130 | 7540  | 520 | 3.5  | 90  | 0.481     |          |      |                |
| PH257-12  | -12       | 19 | 3/4   | 19.3 | 1.03 | 26.2 | 1525 | 105 | 6090  | 420 | 3.8  | 97  | 0.596     |          |      |                |
| PH257-16  | -16       | 25 | 1     | 25.9 | 1.35 | 34.2 | 1305 | 90  | 5150  | 355 | 5.9  | 150 | 0.885     |          |      |                |
| PH257-20  | -20       | 31 | 1.1/4 | 32.1 | 1.65 | 42.0 | 1090 | 75  | 4350  | 300 | 11.8 | 250 | 1.087     |          |      |                |



**Temperature Range :** Continuous: -40°C to +100°C

**Intermittent :** +120°C

**Impulse Cycles :** 150,000; Tested upto 300,000 cycles, upto 1" I.D

**\*Smooth cover available only upto size 1"**