

**TITANFLEX INDUSTRIAL SUPPLIES SDN. BHD. ( 1219008-K )**  
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**SPIRAL WIRE 4-BRAID HYDRAULIC HOSE - EN 856 R12 SAE 100 R12**

TUBE Oil resistant synthetic rubber  
 REINFORCEMENT Four spiral high tensile steel wire  
 COVER Abrasion and weather resistant synthetic rubber  
 APPLICATION Used to convey mineral oil based hydraulic oil, oil and water emulsion and aqueous glycol solutions  
 TEMPERATURE - 40°C to + 100°C and up to + 125°C for intermittent periods  
 TYPE APPROVAL DNV and US MSHA

| HOSE SIZE |       |      | I.D. | BRAID   | O.D. | WORKING PRESSURE<br>( MAX ) |      | BURST PRESSURE<br>( MIN ) |       | BEND RADIUS<br>( MIN ) | WEIGHT<br>( APPROX ) |
|-----------|-------|------|------|---------|------|-----------------------------|------|---------------------------|-------|------------------------|----------------------|
| DN        | INCH  | DASH | mm   | ∅<br>mm | mm   | bar                         | psi  | bar                       | psi   | mm                     | kg/m                 |
| 10        | 3/8   | -6   | 9.5  | 17.2    | 20.0 | 280                         | 4060 | 1600                      | 16240 | 127                    | 0.620                |
| 12        | 1/2   | -8   | 12.7 | 20.7    | 23.8 | 280                         | 4060 | 1350                      | 16240 | 178                    | 0.750                |
| 16        | 5/8   | -10  | 15.9 | 24.6    | 27.4 | 280                         | 4060 | 1120                      | 16240 | 203                    | 1.150                |
| 19        | 3/4   | -12  | 19.0 | 27.7    | 30.7 | 280                         | 4060 | 1300                      | 16240 | 241                    | 1.200                |
| 25        | 1     | -16  | 25.4 | 34.9    | 38.0 | 280                         | 4060 | 1450                      | 16240 | 305                    | 1.850                |
| 31        | 1.1/4 | -20  | 31.8 | 43.9    | 47.0 | 210                         | 3050 | 1200                      | 12200 | 419                    | 2.650                |
| 38        | 1.1/2 | -24  | 38.1 | 50.4    | 53.5 | 175                         | 2550 | 1000                      | 10200 | 508                    | 3.220                |
| 51        | 2     | -32  | 50.8 | 63.7    | 66.7 | 175                         | 2550 | 800                       | 10200 | 635                    | 4.500                |