

**HYDRAULIC HOSE**

**SERIES 53LT HYDRAULIC HOSE**

**General Description:** Constant working pressure, low temperature  
 Construction: Elastomeric core tube, fiber reinforcement, special polyester cover.  
 All layers bonded. Standard cover is black and perforated for pneumatic service.  
 Flame-retardant version is series 53FR.  
 Applications: Hydraulic systems exposed to very low temperatures.  
 Temperature Range: -70°F to +212°F except limited to +135°F for synthetic hydraulic  
 fluids and water-based fluids.  
 Vacuum Service: All sizes to 28 in. Hg. Twin-line multi-line constructions available.



| Part No. | I.D.<br>(in.) | Maximum<br>O.D.<br>(in.) | Maximum<br>Working<br>Pressure<br>psi | Maximum Burst<br>Pressure<br>psi | Maximum Bend<br>Radius<br>in. | Typical Volume<br>Expansion<br>at Working<br>Pressure<br>cc./ft. | Crimp Fitting<br>Series | 80C<br>Crimp Die |
|----------|---------------|--------------------------|---------------------------------------|----------------------------------|-------------------------------|--|-------------------------|------------------|
| 53LT-3   | 3/16          | 0.43                     | 3000                                  | 12000                            | 1-1/4                         | 0.9  | 55                      | P03              |
| 53LT-4   | 1/4           | 0.51                     | 3000                                  | 12000                            | 1-3/4                         | 2.2  | 55                      | P04              |
| 53LT-5   | 5/16          | 0.61                     | 3000                                  | 12000                            | 2.0                           | 2.8  | 58                      | P05R             |
| 53LT-6   | 3/8           | 0.72                     | 3000                                  | 12000                            | 3.0                           | 3.8  | 58                      | P06FR            |
| 53LT-8   | 1/2           | 0.89                     | 3000                                  | 12000                            | 3.5                           | 6.2  | 58                      | P08H             |
| 53LT-12  | 3/4           | 1.24                     | 3000                                  | 12000                            | 5.0                           | 18.2   | 58H*                    | 83C-P1258K       |

\* 58H series is crimp only

Change in length at working pressure is ±2% maximum.

NOTE: The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.