

LL1 Engineering Data



LL1 incorporates an internally coated cable connected to normally unseated “Valve Plungers” located on each end of the cable. If the hose assembly experiences a catastrophic hose failure, the Smart-Hose Safety System is designed to instantaneously shut off the flow in both directions. Designed as a passive safety device, the Smart-hose Safety System needs no human intervention to activate.

- Each hose is tested under water with dry air or nitrogen to working and test pressure
- Each hose is serial numbered
- Each hose is shipped with a Test Certificate and Operating Booklet

Normal Flow—LL1 Valves Open



Coupling Ejection - LL1 Valves Closed



Coupling Data - LL1 is recommended for gaseous flow and liquid applications

Chemical Version	All metal parts are 316 stainless steel
High Pressure/ Compressed Gas	Parts are 304 stainless steel
Monel Version	All parts are Monel with Hastelloy Snap Ring
Flammable Gas Version	All parts are 316 stainless steel with brass plug valve
Brass Version	All parts are brass with 316 stainless steel snap ring
O-ring	All couplings use PTFE Teflon unless other material is required

Size	Alloys Offered	End Configurations	Weight / lbs*	Length / Inches
1/4"	316-SS , Brass	Male & Female NPT, Flanges, Cam lock	.4 ea	1.6"
3/8"	316-SS , Brass	Male & Female NPT, Flanges, Cam lock	.6 ea	2.2"
1/2"	316-SS , Brass, Monel	Male & Female NPT, Flanges, Cam lock	.8 ea	2.4"
3/4"	316-SS, Brass	Male & Female NPT, Flanges, Cam lock	1.6 ea	3.6"
1"	316-SS, Monel	Male & Female NPT, Flanges, Cam lock	2.5 ea	4.4"
1 1/4"	316-SS	Male & Female NPT, Flanges, Cam lock	2.9 ea	5.42"

