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Fiber Optic Tubing Data

Tube Materials

SS 304
SS 316L
Inconel 625

- Tube overjacketing with thermoplastic materials available.
- Tube within a tube capability.

Optical Fibers

Single Mode Corning SMF-28e+ 100/200 KPSI
Multimode Corning 50/125/250 UM 100/200 KPSI
Corning 62.5/125/250 UM 100/200 KPSI

Single Mode 10/125/400/700 UM Si/PFA 200 KPSI
Multimode 50/125/250/700 UM Si/PFA 200 KPSI

Single Mode Polyimide 157 UM 100/200 KPSI
Multimode Polyimide 157 UM 100/200 KPSI

- All types of optical fibers can be used including insulated conductors.
- Up to 16 solid colors available.
- Weight of fiber: 0.16 lbs/km per fiber.

Temperature Rating

Rated 85 degrees C
Rated 85 degrees C
Rated 85 degrees C

Rated 200 degrees C
Rated 200 degrees C

Rated 300 degrees C
Rated 300 degrees C

Filling Compounds

LA 444
Sepigel H-200 LWT (contains Hydrogen Scavenger)

Temperature Rating

Rated 150 degrees C
Rated 150 degrees C

Standard Tube Sizes

*All measurements are in inches.

Tube OD	Tube ID	Tube Thickness	Max # of Fibers
0.033	0.021	0.006	1
0.046	0.036	0.005	3
0.046	0.034	0.006	3
0.050	0.040	0.005	3
0.052	0.042	0.005	4
0.052	0.040	0.006	4
0.069	0.057	0.006	7
0.071	0.055	0.008	8
0.074	0.058	0.008	8
0.078	0.062	0.008	8
0.092	0.076	0.008	12
0.092	0.072	0.010	12
0.094	0.078	0.008	12
0.094	0.074	0.010	12
0.098	0.082	0.008	12
0.098	0.078	0.010	12
0.106	0.090	0.008	15
0.106	0.086	0.010	15
0.118	0.102	0.008	18
0.118	0.098	0.010	18
0.125	0.109	0.008	24
0.125	0.105	0.010	24
0.142	0.126	0.008	48
0.142	0.122	0.010	48
0.150	0.134	0.008	48
0.150	0.130	0.010	48
0.200	0.184	0.008	72
0.200	0.180	0.010	72