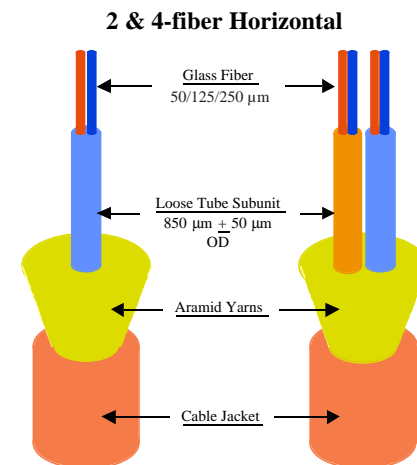
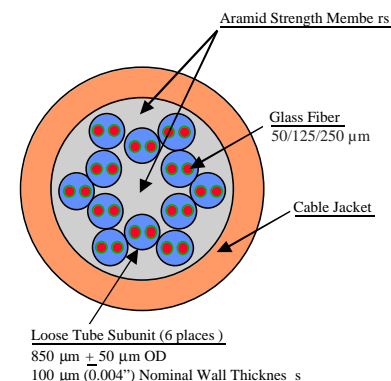


## Model Numbers

Model #	# of Fibers	Bend Radius,cm (short / long term)	Maximum Load (lb. / N)	Cable Outer Dia. (mm / in.)	Weight per reel (kg / km)	Cable Rating	Jacket Color
<b>50/125 µm 250 µm coated MM Horizontal fiber</b>							
VOL-H52P1	2 FIBER	5.0 / 3.0	100 lb. / 440 N	2.8 mm / 0.110 in	7.4 kg / km	OFNP	ORANGE
VOL-H52R1	2 FIBER	5.0 / 3.0	100 lb. / 440 N	2.8 mm / 0.110 in	7.4 kg / km	OFNR	ORANGE
VOL-H52L1	2 FIBER	5.0 / 3.0	100 lb. / 440 N	2.8 mm / 0.110 in	7.4 kg / km	LSZH	BLUE
VOL-H54P1	4 FIBER	5.0 / 3.0	100 lb. / 440 N	3.1 mm / 0.122 in	9.5 kg / km	OFNP	ORANGE
VOL-H54R1	4 FIBER	5.0 / 3.0	100 lb. / 440 N	3.1 mm / 0.122 in	9.5 kg / km	OFNR	ORANGE
VOL-H54L1	4 FIBER	5.0 / 3.0	100 lb. / 440 N	3.1 mm / 0.122 in	9.5 kg / km	LSZH	BLUE
<b>50/125 µm 250 µm coated MM Backbone fiber</b>							
VOL-B56P1	6 FIBER	6.6 / 4.4	150 / 660	5.2 mm / 0.205 in	15.0 kg / km	OFNP	ORANGE
VOL-B56R1	6 FIBER	7.8 / 5.2	150 / 660	5.2 mm / 0.205 in	16.4 kg / km	OFNR	ORANGE
VOL-B56L1	6 FIBER	7.8 / 5.2	150 / 660	5.2 mm / 0.205 in	16.4 kg / km	LSZH	BLUE
VOL-B512P1	12 FIBER	7.2 / 4.8	150 / 660	5.6 mm / 0.220 in	16.0 kg / km	OFNP	ORANGE
VOL-B512R1	12 FIBER	8.4 / 5.6	150 / 660	5.6 mm / 0.220 in	26.8 kg / km	OFNR	ORANGE
VOL-B512L1	12 FIBER	8.4 / 5.6	150 / 660	5.6 mm / 0.220 in	26.8 kg / km	LSZH	BLUE
VOL-B524P1	24 FIBER	8.6 / 5.7	300 / 1320	5.7 mm / 0.224 in	27.0 kg / km	OFNP	ORANGE
VOL-B524R1	24 FIBER	9.8 / 6.5	300 / 1320	6.5 mm / 0.256 in	37.2 kg / km	OFNR	ORANGE
VOL-B524L1	24 FIBER	9.8 / 6.5	300 / 1320	6.5 mm / 0.256 in	37.2 kg / km	LSZH	BLUE
VOL-B548P1	48 FIBER	18.6 / 12.4	1263 / 5618	12.4 mm / 0.488 in	120 kg / km	OFNP	ORANGE
VOL-B548R1	48 FIBER	18.9 / 12.6	1263 / 5618	12.6 mm / 0.496 in	125 kg / km	OFNR	ORANGE
VOL-B548L1	48 FIBER	18.9 / 12.6	1263 / 5618	12.6 mm / 0.496 in	125 kg / km	LSZH	BLUE



## 24-fiber Backbone



## Specifications

Attenuation:	Bandwidth:	Standard Lengths:
3.5 dB/km @ 850 nm max.	500 mhz-km @ 850 nm max.	1 km (3280 ft.)
1.5 dB/km @ 1300 nm max.	500 mhz-km @ 1300 nm max.	1 km (3280 ft.)

Temperature Range 10°C to +60°C

All cables meet the performance requirements in TIA/EIA specifications

The Volition™ Cabling System from 3M includes horizontal and backbone cable with 50/125 µm multimode fiber supplied exclusively by Corning.



**Volition™**  
Cabling System

Volition™ Horizontal & Backbone  
Fiber Optic Cable 50 µm

**80-6110-0727-1**

Sheet 1 of 1

Rev. A

Do not scale drawing

dim. in. (mm) © 3M 1998