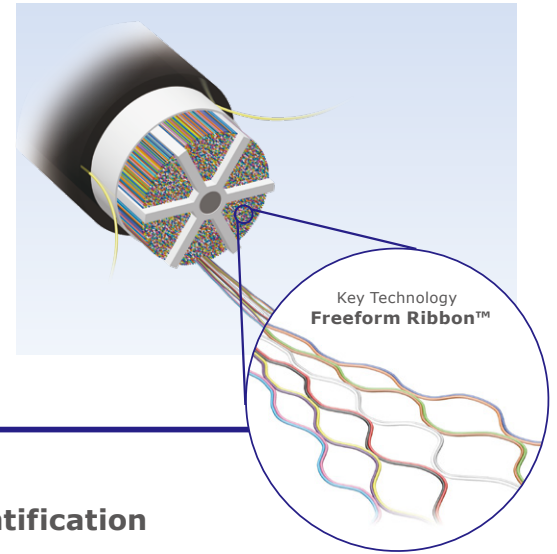


Optical fiber cable

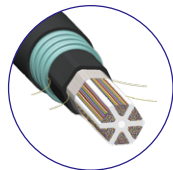
# Ultra High Fiber Count Cable

Ultra high density optical fiber cables, ranging up to 6912 fibers. These cables can be installed in industry standard ducts to maximise duct space utilization.



## Features

- >> 200µm fiber and 250µm fiber available
- >> Color-coded optical fibers for quick and easy identification
- >> Pliable ribbon for high fiber density
- >> 12-fiber grouping for ease and compatibility with multi-fiber connectors
- >> PureAccess™-PB Bend Insensitive (ITU-T G.652.D / G.657.A1)
- >> Easy cable entry
- >> Gel-free
- >> Comply with Telcordia and IEC requirements
- >> Flame retardant
- >> Steel armoring is applicable

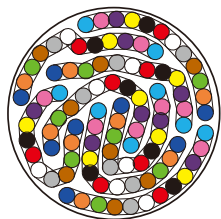


## Pliable form

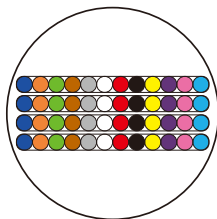
Transforms to suitable position in high density packing

12-fiber Freeform Ribbon™

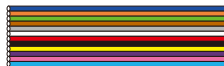
Conventional 12-fiber Ribbon



8 Ribbons (96 Fibers)



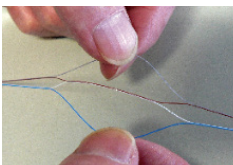
4 Ribbons (48 Fibers)



High reliability for splicing

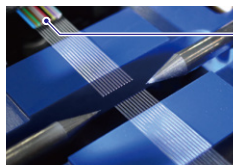
## Easily Split to Single fibers

Connect with single fiber cable easily



## Mass Fusion Splicing

Save fusion splicing time dramatically

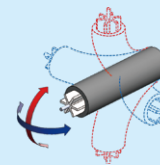


## Sumitomo Electric high precision ribbon



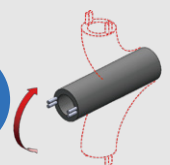
- >> Excellent planarity
- >> Even thickness
- >> Constant fiber pitch

[Bad example]

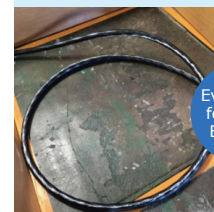


Can be bent in any direction!

Bend Direction



Can be bent only in this direction!



Evaluation for Cable Bending

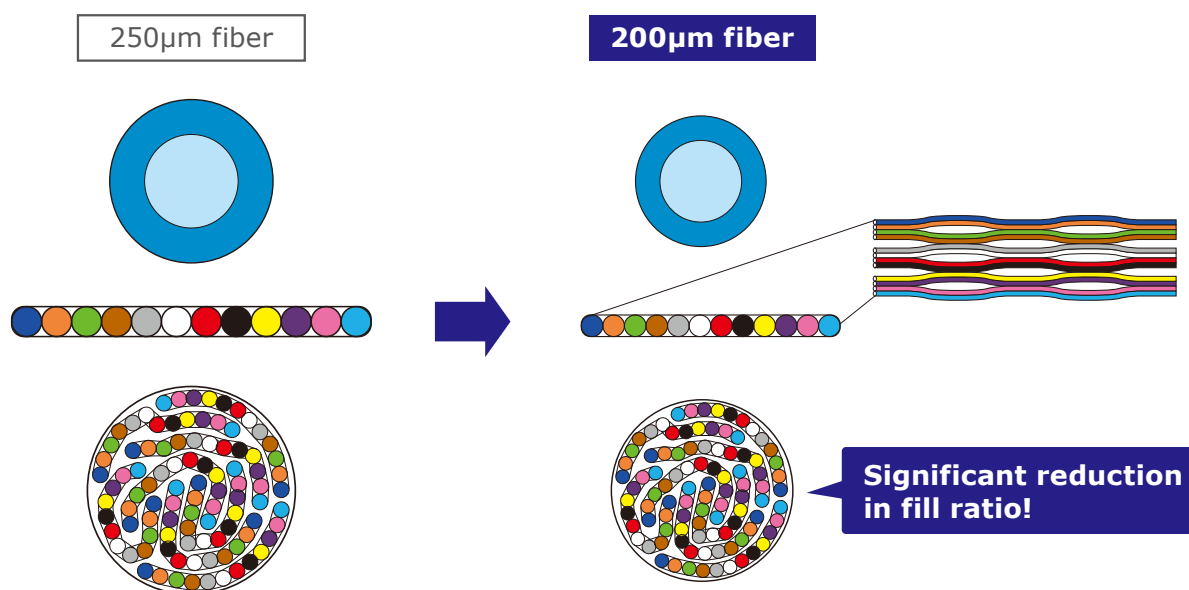
# Bend Insensitive 200μm fiber realize the extreme-density accommodation

## Features

- >> Smaller fiber diameter
- >> PureAccess™-PB Bend Insensitive (ITU-T G.652.D / G.657.A1)

## Benefits

- >> More fiber count cable
- >> Applicable to narrower duct
- >> Easily work
- >> Reduce installation cost



## Specification

Fiber count		432	576	864	1152	1728	3456	6912			
Optical Fiber Type		PureAccess™-PB Bend Insensitive (ITU-T G.652.D / G.657.A1)									
250μm	Out side plant	Dia.(mm)	18.5	18.5	21	25	26	32			
		Weight(kg/km)	270	280	300	450	470	700			
	Outside/Inside*	Dia.(mm)	20	20	22.5	26.5	28	34			
		Weight(kg/km)	350	360	400	580	610	850			
	Strength member		FRP								
	Maximum load		2670N								
Recommended duct size		1.25inch				1.5inch	2.0inch				
200μm	Out side plant	Dia.(mm)	15.5	15.5	19	-	25	28	37		
		Weight(kg/km)	160	160	280	-	450	540	1020		
	Outside/Inside*	Dia.(mm)	17	17	20.5	-	26	30	-		
		Weight(kg/km)	220	220	360	-	580	680	-		
	Strength member		FRP								
	Maximum load		2670N								
Recommended duct size		1.25inch				1.5inch	2.0inch				
250μm/200μm	Minimum Bending Radius(mm)	After installation	250U	300	300	300	300	300	350	-	
			200U	300	300	300	-	350	350	420	
		During installation	250U	370	370	420	500	520	640	-	
			200U	310	310	380	-	500	560	740	

\*Contact Sumitomo Sales for information on other options including flame retardant types and Armor types are also available.