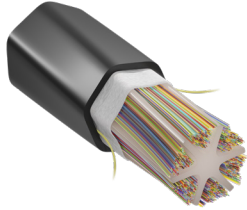


## Freeform Ribbon® Slotted Core Ribbon Cable

864F



### DESCRIPTION

Sumitomo Electric Lightwave's Slotted Core fiber optic ribbon cables feature 250um color-coded optical fibers for easy fiber identification and Sumitomo's exclusive patented pliable ribbons. Pliable ribbons enable high fiber density within a small cable diameter which in turn helps with limited duct space. The twelve fiber ribbons enable connectorization with both MPO and all industry standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas.

The cable includes a dry water-blocking tape that eliminates cable flooding gels, thereby eliminating the cleaning and blocking preparation steps associated with standard gel-filled cables. By eliminating these steps, the use of a totally dry cable speeds overall installation, termination, and splicing while reducing labor and material costs. The all dielectric design requires no grounding or bonding.

### PHYSICAL CHARACTERISTICS

Fiber Count	Max. No. of Slots	No. Fibers Per Slot	Diameter		Weight	
			(mm)	(in.)	(kg/km)	(lbs/kft.)
864	6	144	21	0.83	300	202

### SPECIFICATIONS

Property	Specification
Maximum Tensile Load During Installation	600 lbs
Maximum Recommended Service Load	200 lbs
Minimum Bend Radius (During/After Installation)	20/10 x Cable OD
Compression Resistance	220 N/cm (124 lbs/in)
Operation Temperature Range	-40 to 70°C (-40 to 158°F)

### FEATURES

- Color-Coded Optical Fibers for Quick and Easy Identification
- Freeform Ribbon® for High Fiber Density
- 12-Fiber Grouping for Ease and Compatibility with Multi-Fiber Connectors
- Sumitomo Electric's PureAccess G.657.A1 Fiber
- Easy Cable Entry
- Gel Free

### ORDERING INFORMATION

**DRSC-OSP6-SA00864-250-ADE**