



# loose tube cable

Renka® SmartLITE™ single mode optical fiber cable is designed for optimum performance and ease of installation. SmartLITE™ cables are constructed with dispersion unshifted single mode fiber. These fibers are matched clad, consisting of a doped silica core surrounded by a concentric silica cladding. The stranded single mode matched clad fibers are designed for the transmission of large complicated data, video, and voice with very low transmission loss.

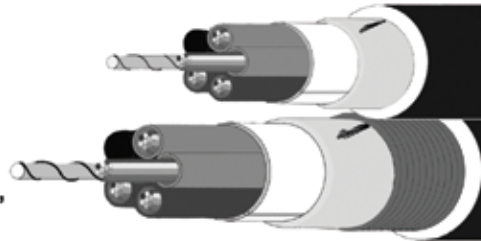
## Benefits/Features

- Fiber counts from 6 to 288
- MDPE jacket
- Designed for duct, lashed aerial, or direct buried installations
- Environmentally stable/rugged design
- Lightweight and flexible
- Polyester film/Poly-Al moisture barrier

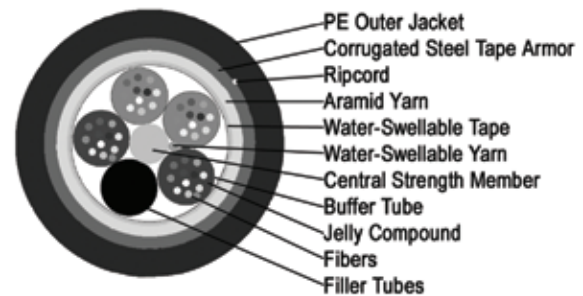
SmartLITE™ single mode fiber optic cable adheres to the following industry technical specifications, standards and references:

- Telcordia (Bellcore) GR-20
- ICEA-640
- RUS PE-90
- GTE Int'l
- ITU-T Recommendations G650 Series
- EC 793/EN 18800 Requirements
- ISO 9001
- TIA/EIA Quality Standards

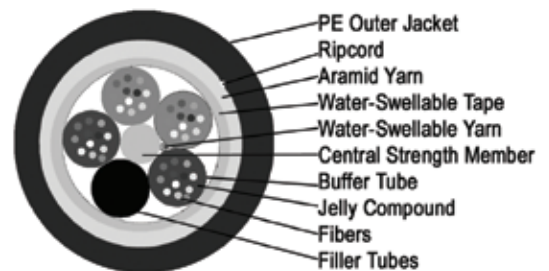
## 6-288 Fiber Multi Tube Armored/Dielectric OFC



### 48 Fiber Count Multi Tube Armored Loose Tube Cable



### 48 Fiber Count Multi Tube Dielectric Loose Tube Cable



## Single Mode Fiber Specifications

Maximum Tensile Loading	660 lbs	
Maximum Recommended Service Load	200 lbs	
Operating Temperature Range	-38°C to +70°C	
Minimum Bend Radius	<i>During Installation</i>	20 X OD
	<i>After Installation</i>	10 X OD
Compression Resistance	220N/cm	
Compound Flow Temperature	<80°C	
Inside Buffer Tube	3mm	

## Cable Specifications

Fiber Count	# of Tubes	# of Fibers/ Tube	# of Ribbons/ Tube	Max # of Filler Rods	Cable Outside Diameter mm (Dielectric)	Cable Weight kg/km (Dielectric)	Cable Outside Diameter mm (Armored)	Cable Weight kg/km (Armored)
6	1	6	N/A	4	11.2	120	13.5	180
12	2	6	N/A	3	11.2	120	13.5	180
18	3	6	N/A	2	11.2	120	13.5	180
24	2	12	N/A	3	11.2	120	13.5	180
36	3	12	N/A	2	11.2	120	13.5	180
48	4	12	N/A	1	11.2	120	13.5	180
72	6	12	N/A	0	12.1	135	14.8	210
96	8	12	N/A	0	14	170	16.8	260
120	10	12	N/A	0	16.3	220	18.5	320
144	12	12	N/A	0	17.7	270	20	380
216	9	24	N/A	0	19.3	300	20.8	410
288	12	24	N/A	0	23.2	360	24.8	500

## Ordering Information

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**Renka Product #**  
 850 - Armored  
 855 - Double Sheath  
 860 - Dielectric

**Total # of Fibers**  
 006-288

**Total # of Tubes**  
 01  
 02  
 03  
 04  
 06  
 08  
 09  
 10  
 12

**# of Fibers/Tube**  
 006  
 012  
 024