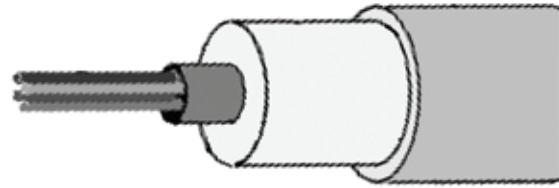




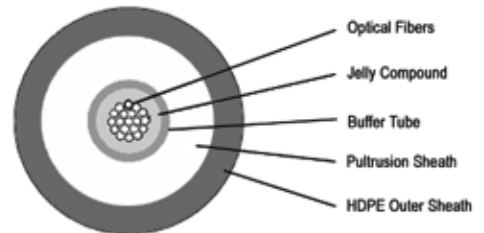
# FTTH cable (fiber to the home)

Renka® SmartLITE™ Fiber to the Home (FTTH) cable is designed to provide a low cost universal solution for Fiber to the Home applications. Renka SmartLITE™ cable has a lighter and more flexible design than standard loose tube cable, making it suitable for duct, direct burial, or aerial installations. This cable is ideal for installation in areas with space limitations. 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

- Reliable and long-lasting
- Suitable for duct, direct burial and aerial installations
- Lightweight design / Small Diameter
- Easy access for all splices and repairs
- Fast and low-cost FTTH networks
- Available in FRP Extruded and FRP Extruded with HDPE & Polyethylene



SmartLITE™ FTTH 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

Cable Properties	Unit	Value	
Attenuation	dB/km	Maximum	Average
@1310 nm		<=0.38	<=0.34
@1550 nm		<=0.25	<=0.21
Loose Tube ID/OD	mm	1.0/1.4	
Diameter over Pultrusion	mm	2.5+/-0.2	
Cable Diameter	mm	3.0+/-0.2	
Max Installation/Operating Tension	Newton	500/300	
Min. Bending Radius	mm	100	
Crush Resistance	N/10 cm	800	
Cable Weight	Kg/Km	10+/-2	
Operating/Installation Temperature	°C	-30 to +70	
Storage Temperature	°C	-40 to +70	
Packing Length	Kms	4/6/8/12 +/- 10%	

**Ordering Information**

RE□□□-□□□

**Renka Product #**  
650 - FRP Extruded  
660 - Polyethylene

**Total # of Fibers**  
002-012