

Ultra-low loss and large-core optical fiber cable with PureAdvance™-110

The growth of 5G and FTTx services, along with the explosion of online content requires continuous expansion in data capacity. The PureAdvance™ series offers high speed and high transmission capacity in long-haul and high traffic applications at minimum total cost.

Features

- Ultra-low attenuation of ≤ 0.17 dB/km (Typ.) and optimally enlarged effective area of $110 \mu\text{m}^2$
- Optimized for terrestrial long-haul 100 Gbit/s, 200 Gbit/s, 400 Gbit/s and beyond for digital coherent transmission systems
- Gel-free structure provides easier handling, and so reduces installation time and cost.

Solutions

Please visit our web site for detailed information

(<https://global-sei.com/fttx/highfibercount/opticalcables/>)



**CAPEX/OPEX
Saving**



**Contribute to
sustainability**



Data security



Low latency

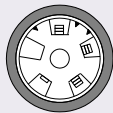
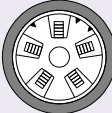
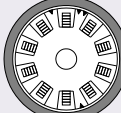
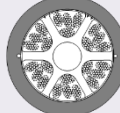


Space saving



**Excellent
connectivity**

Specifications

Fiber type *1	PureAdvance-110™ G.654.E			
Fiber count	40	100	200	288
Cross Section				
Unit type	4 fiber ribbon *2			Single fiber *3
Tension Member	Steel			FRP
Nominal Cable Diameter	11.5mm	13.5mm	15.5mm	14.0mm
Attenuation (1550nm)	Typ. ≤ 0.17 dB			
Application	Duct and Sub-Duct			

*1: Hybrid type (Combination with other type of optical fibers) are also available.

*2: Suitable for splicing ribbon to ribbon, or splitting ribbon into single fibers

*3: 12 single fibers are bundled by color coded tapes for easy identification.

This document states our standard specification. Customized specifications can be provided upon request.