

Technical specification sheet dark fiber

RELINED FIBER NETWORK



FIBER TYPE	
Current network	Single Mode ITU-6.652
New network	Single Mode Corning Ultra Optical Fiber

SPECIFICATIONS	G.652	ULTRA OPTICAL FIBER
Maximum attenuation - 1310 nm	0.35dB/km	0.32dB/km
Maximum attenuation - 1550 nm	0.25 dB/km	0.18 dB/km
Dispersion - 1550 nm	<18 ps/nm.km	<18 ps/nm.km
Dispersion - 1310 nm	<3 ps/nm.km	<3 ps/nm.km
Polarization Mode Dispersion PMD	0.5 ps/km ^{1/2}	0.1 ps/km ^{1/2}
Mode field diameter 1310nm	9.2 μm ± 0.5 μm	9.2 μm ± 0.4 μm
Cladding Diameter	125 μm ± 1 μm	125 μm ± 0.7 μm

RETURN LOSS (AVERAGE)	
Splice	0,1 dB
Patch	0,5 dB

DEMARCATON POINT DARK FIBER (ODF)	
Standard	SC-PC / SC-UPC
Optional	SC-APC / LC-PC / LC-APC / E-2000

BUILDING ENTRY	
Single connection	Single building entry
Flat redundant	2 diverse routes with common point of building entry
Redundant	2 connections, completely diverse routes and building entry

TYPE OF CONNECTION	
Point to Point	Singel route between location A and B
Ring	Ring structure with separate routes between 2 or more locations