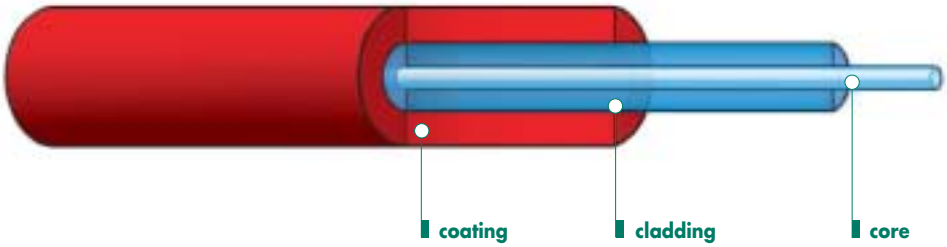
NZ-DS Singlemode Fibre

E10/125/250 according ITU-T Rec. G. 655

Dätwyler

optofil®

Communication technology



Product information

Application

Long haul applications and high transmission rates with WDM and DWDM in C- and L- Band. The geometry, optical and mechanical specifications correspond with all relevant national, european and international standards.

Transmission characteristics

wavelength	[nm]	1550	1625
max. attenuation (cabled)	[dB/km]	0.25	0.25
max. dispersion	[ps/(nm x km)]	2-6	4.5-11.2
mode field (Petermann II)	[µm]	9.2 - 10.0	
max. cable cut off wavelength λ_{ccf}	[nm]	1360	1360
max. polarisation modes dispersion coefficient	[ps/ km]	0.5	0.5
max. attenuation non linearity	[dB]	0.05	
refractive index		1.469	

Geometry and mechanical characteristics

Effective area	[µm²]	72	72
cladding Ø	[µm]	125 +/- 1.0	125 +/- 1.0
Max. mode field concentricity error	[µm]	0.5	0.5
max. cladding non circularity	[%]	1.0	1.0
coating Ø	[µm]	245 +/- 5.0	245 +/- 5.0
max. cladding/coating concentricity error	[µm]	12	12
min. fibre bending radius	[m]	4.0	4.0
nom. operating temperature range	[°C]	-60 bis +85	-60 bis +85
max coating stripping force	[N]	3.5	3.5
test load	[kpsi]	100	100

Technical changes reserved.