



SCTOMS(R)-0-4SM

Application:

Outdoor fiber optic cable. Single jacket. Non-armored. "Central Tube" (Uni Tube) design. Siamesse steel messenger. Single Mode G652D fiber

Data sheet

Fiber type	Single Mode 9/125	
Outer dimensions	$(6,0 \times 13\text{mm}) \pm 1,0\text{mm}$	
No. of fibers	4	
Max. tensile load	$> 3000\text{N}$	
Minimum bending radius	$10 \varnothing$	
Transport/Storage temperature	$-40^{\circ}\text{C} - +60^{\circ}\text{C}$	
Installation temperature	$-5^{\circ}\text{C} - +50^{\circ}\text{C}$	
Operating temperature	$-40^{\circ}\text{C} - +60^{\circ}\text{C}$	
Messenger	$7 \times 0,9\text{m}$	
Mode field diameter	1310nm	$9,2 \pm 0,4\mu\text{m}$
	1550nm	$10,4 \pm 0,5\mu\text{m}$
Core/Clad Concentricity Error	$< 0,4 \mu\text{m}$	
Cladding diameter	$125 \pm 0,5 \mu\text{m}$	
Coating/Cladding Concentricity Error	$< 12 \mu\text{m}$	
Coating diameter	$245 \pm 5 \mu\text{m}$	
Attenuation	1310nm	0,334 dB/km
	1383nm	0,314 dB/km
	1550nm	0,194 dB/km
	1625nm	0,224 dB/km
Zero dispersion wavelength	1300~1324 nm	
Zero dispersion slope	$< 0,090 \text{ ps/nm}^2 \cdot \text{km}$	
Chromatic dispersion	1550nm	$< 18 \text{ ps/nm} \cdot \text{km}$
	1625nm	$< 22 \text{ ps/nm} \cdot \text{km}$
Polarization dispersion	$< 0,2 \text{ ps/km}^{1/2}$	

