



# SPECIFICATION

for

**SAVAFLEX-FC FIBER**

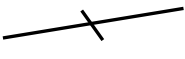
Tech Spec. No. : TCC-SPEC-089/2023


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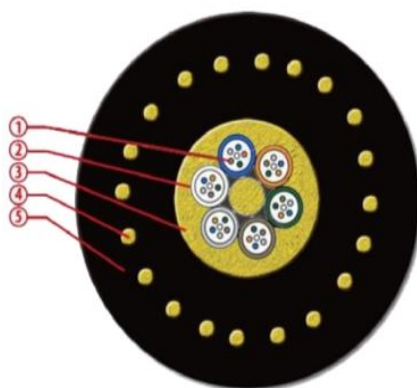
Revised No. : -

Revised date : -

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**Description : SAVAFLEX-FC FIBER**

Application		Fiber Optic Cable for Festoon & Reeling
Type of cable		6G 62.5/125 Micron
Item		Data of Product
1. Fiber Optic	Material	6cores 62.5/125 Multi mode fiber optics
2. Central Core	Material	Kevlar
3. Reinforcement Layer	Material	Kevlar
4. Anti-torsion	Material	Kevlar Braid
5. Sheath	Material	Neoprene
Long term working temperature		90°C
Lowest temperature outdoor		-20°C
Minimum Bending Radius		30 x OD
Cable Outer Diameter		16.9 ± 0.5mm
Reference weight		280kg/km
Long term tension		300N
Short term tension		600N
Long term crush		300N/10cm
Short term crush		1000N/10cm
Features		Oil Resistant, Chemical Resistant, UV, Sunlight
Band Width	850nm	200MHz.km
	1300nm	500MHz.km
Cladding Diameter		124.8 ± 1.0μm
Cladding Non-Circularity		≤ 1.0%
Core-Cladding Concentricity Error		≤ 1.5μm
Coating Diameter		245 ± 7μm
Coating Non-Circularity		≤ 6.0%
Cladding-Coating Concentricity Error		≤ 12.0μm
Cable Cutoff Wavelength		λ <sub>cc</sub> ≤ 1260nm
Attenuation (max.)	850nm	≤ 3.0 dB/km
	1300nm	≤ 1.0 dB/km