

WIREFATH

BULK WIRE

SP-FBR-DB-1K-2ST-MM

Type OM3, 2 strand, direct burial multi-mode

Features

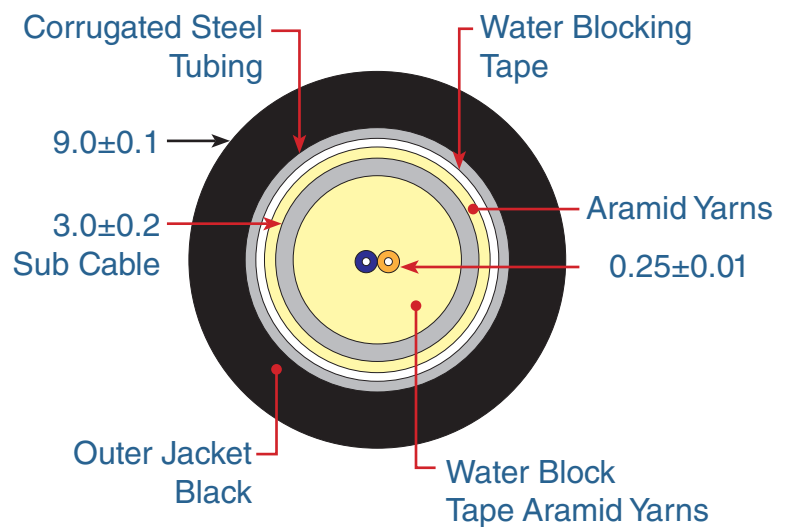
- High mechanical strength and crush resistance with superior fatigue & durability
- Integral coating eliminates stripping, provides glass protection
- 10,000x the bend longevity of standard fiber
- Increased safety factor due to the incredible bend insensitivity
- Glass fiber remains protected at all times from the elements
- Simplified termination process designed for ease of use
- Ultra low attenuation loss on tight bend radius
- Exclusive 250um Soft peel jacket identifier

Application

- Inter-building and intra-building voice or data communication backbones.
- Install in ducts, underground conduits or aerial/lashed Light weight ultra flexible design simplifies installation.
- Fiber-to-the-Home (FTTH).
- Installations requiring high crush resistance.
- Outdoor direct burial.

Applicable Standards

- IEC 60793-1-50
- IEC 60793-1-51
- IEC 60793-1-52
- IEC 60793-1-53
- TIA/EIA 455-41A
- TIA/EIA 455-25B
- TIA/EIA 455-104A



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Construction	
Fiber	2 Strand
	50/125 Multimode OM3
	250um "Soft Peel" coating Color Coding per TIA/EIA 568C
Jacket	PE - UV, moisture resistance outer jacket, 9.0mm, black
Marking	WIREFATH SSF 2 FIBER ACS OSP DIRECT BURIAL MMF(50/125) SSF-S250BIF-OM3 OUTDOOR MADE IN USA MM/YY (Month/Year of Manufacture) (Lot #) XXXXXFT Footage markers every two feet.

Physical & Environmental Characteristics		
Temperature Ratings		
Storage Temperature Range	-30°C to +60°C	
Operating Temperature Range	-20°C to +75°C	
Physical Characteristics		
Max Tensile Load for Installation	2000 N(450 lbf)	
Max Tensile Long Load term	600 N(135 lbf)	
Min. Bend Radius, Unloaded	15mm	
Cable Outside Diameter, Nominal	9mm	
Cable Package	1000ft/304.8m Reel	
Crush Resistance	3000 N	
Weight	62 (LB/1000 ft)	
Impact Resistance	1500 Impact cycles	
Flexing @ 90 degree	2000 flexing cycles	
Environmental Characteristics	Loss	Induced Attenuation Compliance Condition
Temperature Cycling	≤ 0.2 (dB/km)	- 10°C to +85°C, 21 cycles
Water Intrusion	≤ 0.2 (dB/km)	23°C for 30 days
Damp Heat	≤ 0.2 (dB/km)	85°C, 85%R.H., 30 days
Dry Heat	≤ 0.2 (dB/km)	85°C, 30 days