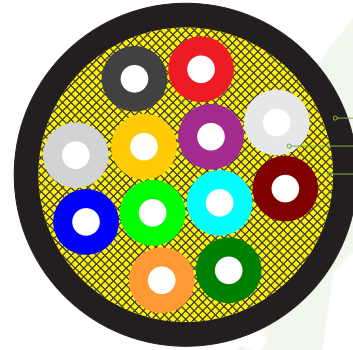


**PRODUCT DATA SHEET**

**Indoor/Outdoor Distribution Cable**

**Introduction**

In the Nitrotel Indoor Distribution Cable 900µm Buffered Fibers are surrounded by aramid yarn as strength members and a PVC/LSZH flame-retardant jacket.



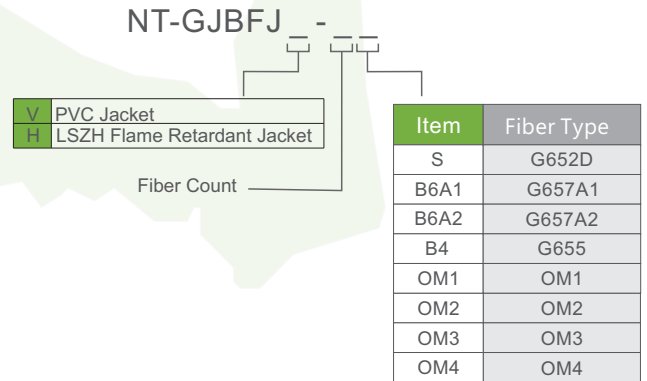
Flame--retardant jacket  
Tight buffered optical fiber  
Aramid Yarn strength member

**Cable Dimensions and Constructions**

Items	Descriptions	
Optical Fiber	Fiber count	4/8/12/24
Tight buffer fibers	Material	LSZH/PVC
	Diameter	0.85±0.05mm
Strength Member	Material	Aramid yarn
Sheath	Material	LSZH/PVC
	Thickness	0.8mm±0.15mm (≤12 Core)
		1.0mm± 0.10mm (>12core)
Color	Yellow/Orange/Aqua	
Cable Diameter	5.0±0.2 mm (4 Core)	
	6.0±0.2 mm (8 Core)	
	6.5±0.2 mm (12 Core)	
	7.5±0.2 mm (18 Core)	
	8.5±0.2 mm (24 Core)	
Cable Weight	Approx 16.2 kg/km	
	Approx 27.0 kg/km	
	Approx 38.0 kg/km	
	Approx 45.0 kg/km	
	Approx 65.0 kg/km	
Tight buffer Color Code	blue/orange/green/brown/grey/white/red/black/ yellow/purple/pink/aqua	
Colors of 2 <sup>nd</sup> group of 12 tight buffers	With black tracer blue/orange/green/brown/grey/white/red/ yellow/purple/pink/aqua	
	With white tracer black	

**Mechanical and Environmental Characteristics**

Items	Descriptions		
Tensile Strength	IEC 60794 -2-E1	short-term	600N
		long-term	200N
		short-term	1000N (>12core)
		long-term	500N (>12core)
Crush Resistance	IEC 60794 -2-E3	short-term	1000N
		long-term	300N



**Packing**

Wooden Drums Protection

**Marking**

- Cable Marker every Meter by
- Project name or Project owner
- Year of manufacture
- Tape of Cable
- Number of fiber
- Cable length

