

## FIBRE OPTIC - TIGHT BUFFER INDOOR/OUTDOOR

**Universal Grade Cable - Zero Halogen, Waterproof, Tight Buffered design.**

Individually coloured 900µm O/D nylon buffered optical fibres with aramid yarn strength members, a polyethylene moisture barrier and LSF/OH outer sheath, blue

For 2 to 10 fibre constructions, all of the fibres are laid in straight with the aramid yarn strength members.  
For 12 to 24 fibre constructions, the fibres are helically stranded around a polyethylene sheathed aramid yarn central strength member.



### WEIGHT & DIMENSIONS

NUMBER OF FIBRES	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM	MINIMUM BENDING RADIUS (mm)		MAXIMUM INSTALLATION TENSION (N)
			Unloaded	Installation	
4	5.0	16	85	70	500
6	6.0	29	85	90	1000
8	6.0	29	90	90	1000
12	7.5	46	105	100	1000
16	9.0	73	120	100	1000
24	14.0	164	145	150	1500

### OPTICAL FIBRES

FIBRE TYPE	SINGLE MODE 9/125	MULTI MODE 50/125	MULTI MODE 62.5/125 FDDI
<b>Core Dia</b>	8.8-9.6µm	50	62.5
<b>Cladding Dia</b>	125	125	125
<b>Attenuation</b>			
-850 nm		<2.6dB/km	<3.0dB/km
-1310 nm	<0.40dB/km	<0.7dB/km	<0.8dB/km
-1550 nm	<0.30dB/km		
<b>Bandwith</b>			
-850 nm		>400 Mhz□km	>200 Mhz□km
-1300 nm		>800 Mhz□km	>600 Mhz□km
<b>Dispersion</b>			
-1285-1330 nm	<3.5ps/nm□km		
-1550 nm	<18ps/nm□km		
<b>Numerical Aperture</b>		0.200	0.275

### ORDERING INFORMATION

50/125 FIBRE		62.5/125 FIBRE		SINGLE MODE	
BATT PART NO	NO OF FIBRES	BATT PART NO	NO OF FIBRES	BATT PART NO	NO OF FIBRES
93213	4	93221	4	93294	4
93215	8	93374	8	93295	8
93216	12	93375	12	93296	12
93217	16	93376	16	93304	16
93220	24	93225	24	93311	24

### Environmental Performance

Crush resistance 2000N  
Temperature range -40°C to +70°C storage  
-25°C to +70°C operating  
-10°C to +70°C installation

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