



Guidance On Fibre Implementation For Structured Cabling Systems

“These are the recommendations based on the most cost effective solutions for a wide range of standard LAN applications. Some modifications to existing or draft standards will be required.

Responsible standards’ bodies are recommended to develop specifications to support these table entries in order to promote the use of optical fibre for Building Cabling by providing the most effective technology possible.”

Application	Baud Rate	Horizontal Cabling < 100m		Building Cabling < 300m		Campus Backbone < 2km	
		MM	S	MM	S	MM	S
10Base-F	20	MM	S	MM	S	MM	S
Token Ring	32	MM	S	MM	S	MM	S
100VG-AnyLan	120	MM	S	MM	S	MM	LE
100Base-F	125	MM	S	MM	S	MM	LE
FDDI	125	MM	S	MM	S	MM	LE
Fibre Channel	133	MM	S	MM	S	MM	LE
	266	MM	SL/LE	MM	SL/LE	SM	LL
	531	MM	SL/LE	MM	SL/LE	SM	LL
	1062	MM	SL	MM	S	SM	LL
LL Sonet-ATM	52	MM	S	MM	S	MM	LE
	155	MM	S/LE	MM	S/LE	MM	SL/LE
	622	MM	SL/LE	MM	SL/LE	SM	LL
	1244	MM	SL	MM	SL	SM	LL
	2488	MM	SL	MM	SL	SM	LL

- MM** 62.5/125 multimode fibre with 160/500 MHz bandwidth.
- SM** Standard single mode fibre.
- S** Short wavelength (850nm window) LED or short wavelength laser equivalent.
- SL** Short wavelength (850nm window) laser.
- LE** Long wavelength (1300nm window) LED.
- LL** Long wavelength (1300nm window) laser.