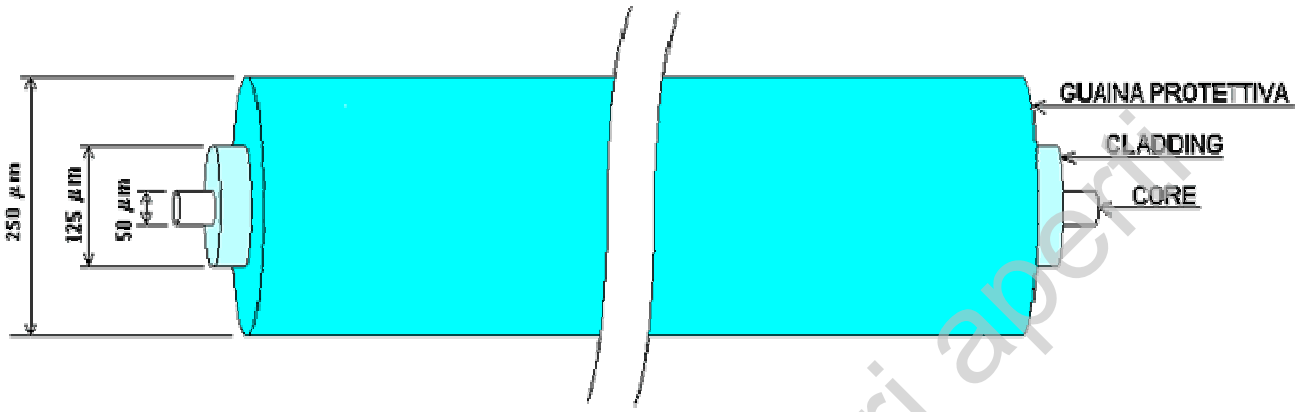
34 - LABORATORIO DI TELECOMUNICAZIONI

TITOLO: LE FIBRE OTTICHE



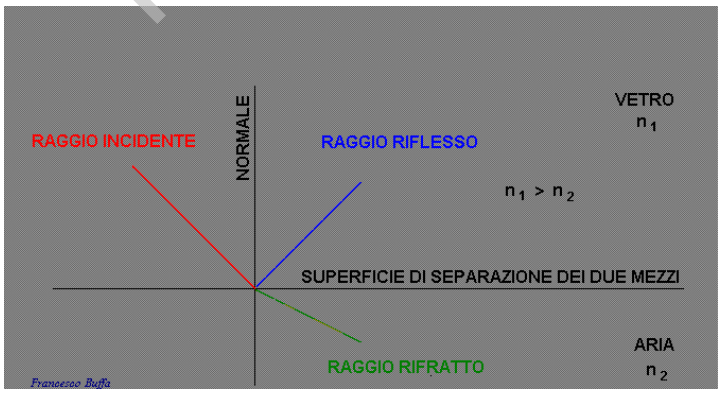
OBIETTIVI:
Verificare la struttura della fibra ottica
Verificare la modalità di propagazione della luce in F. O.
Sperimentare la modalità di conduzione nelle fibre Multimodo e Monomodo

MATERIALE OCCORRENTE
Cassette in F.O. della Elettronica Veneta

TEMPO OCCORRENTE: 1 ora.

SVOLGIMENTO DELL'ESPERIENZA

1) **ripasso leggi di Ottica**



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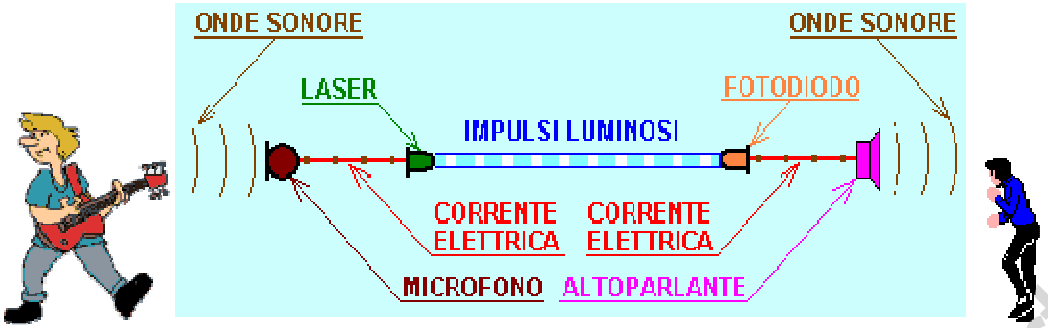
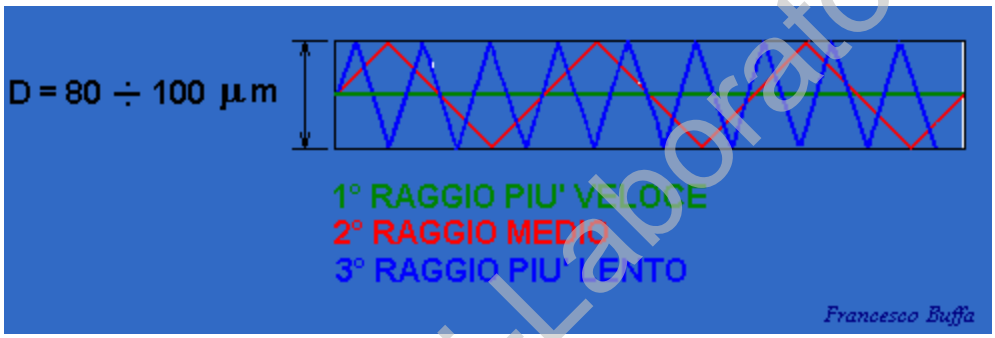
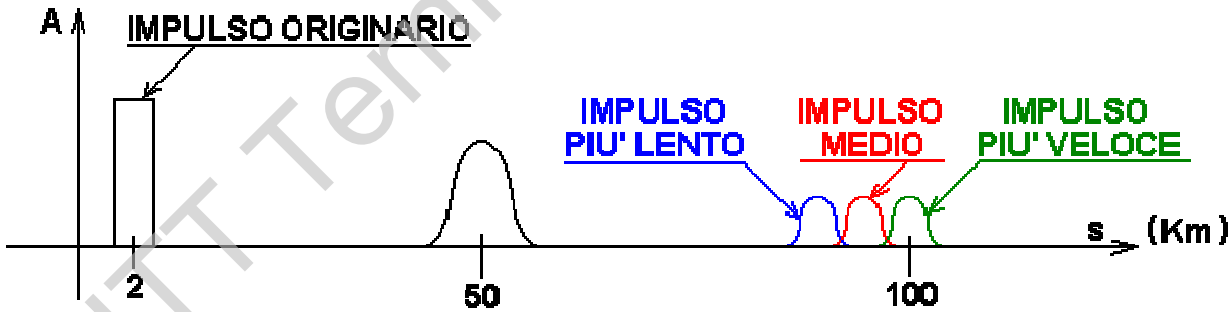
2) sistema di comunicazione in F.O.

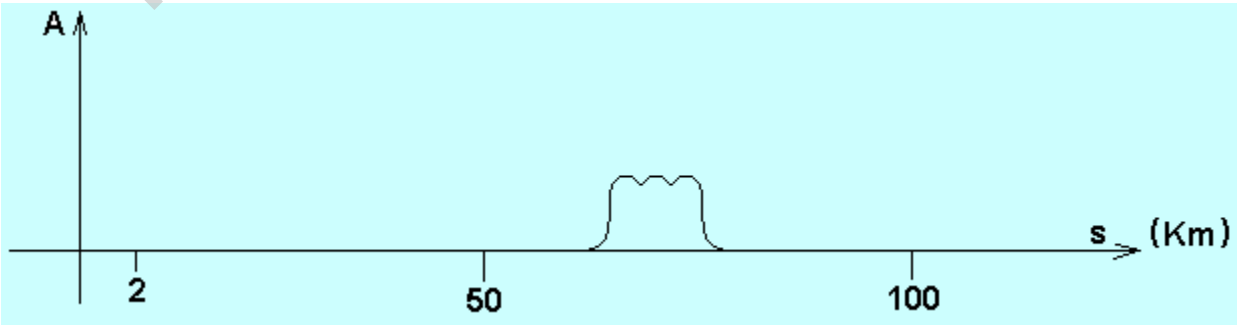


3) dispersione modale

- Fibre multimodo







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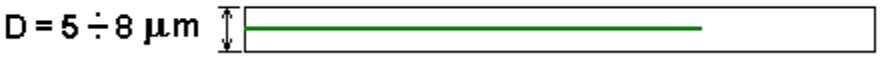
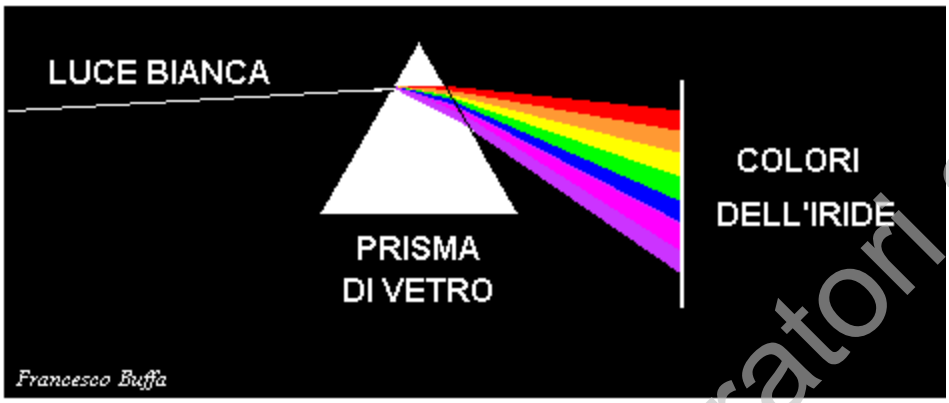
- Fibre monomodo



4)Dispersione cromatica



ATTIVITA' CON LA CLASSE:

1) osservazioni sulla fibra
2) osservazioni modalita' di tramissione
3) osservazione sulla dispersione modale e cromatica

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