



RAMA UNIVERSITY

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FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302 Computer Networks

Lecture-09

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OUTLINE

➤ **COXIAL CABLE**

➤ **CATEGORIES OF COAXIAL CABLES**

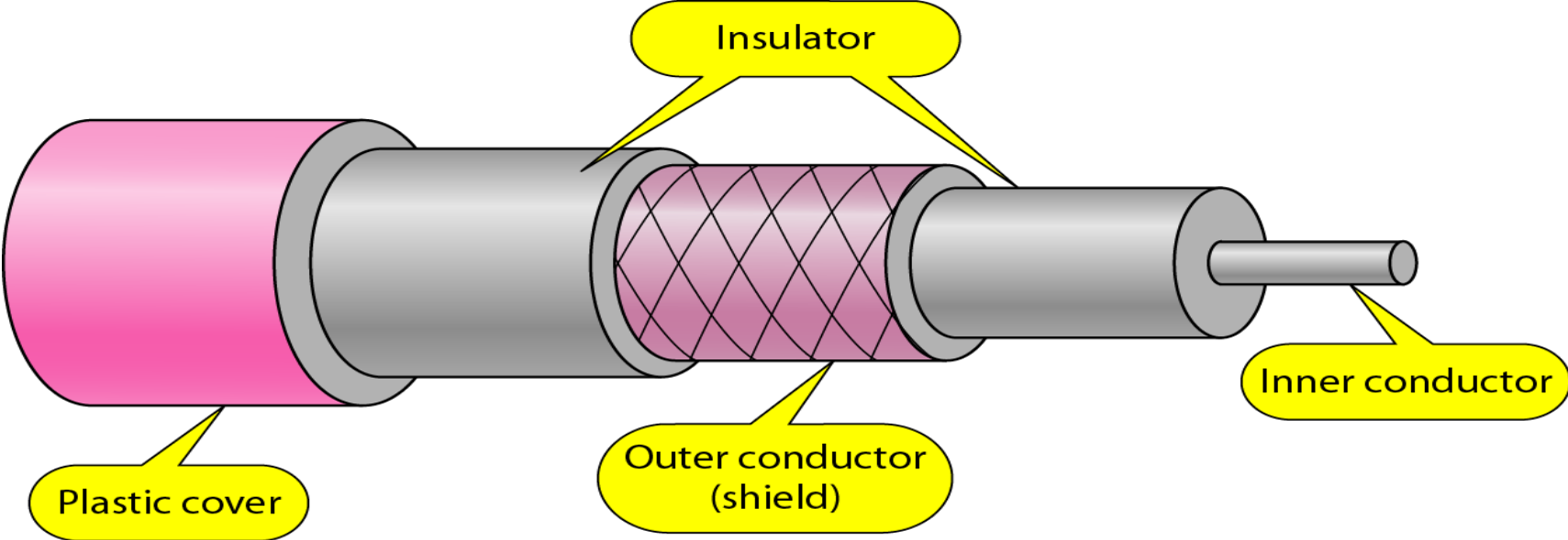
➤ **BNC CONNECTORS**

➤ **FIBER OPTICS: BENDING OF LIGHT RAY**

➤ **OPTICAL FIBER**



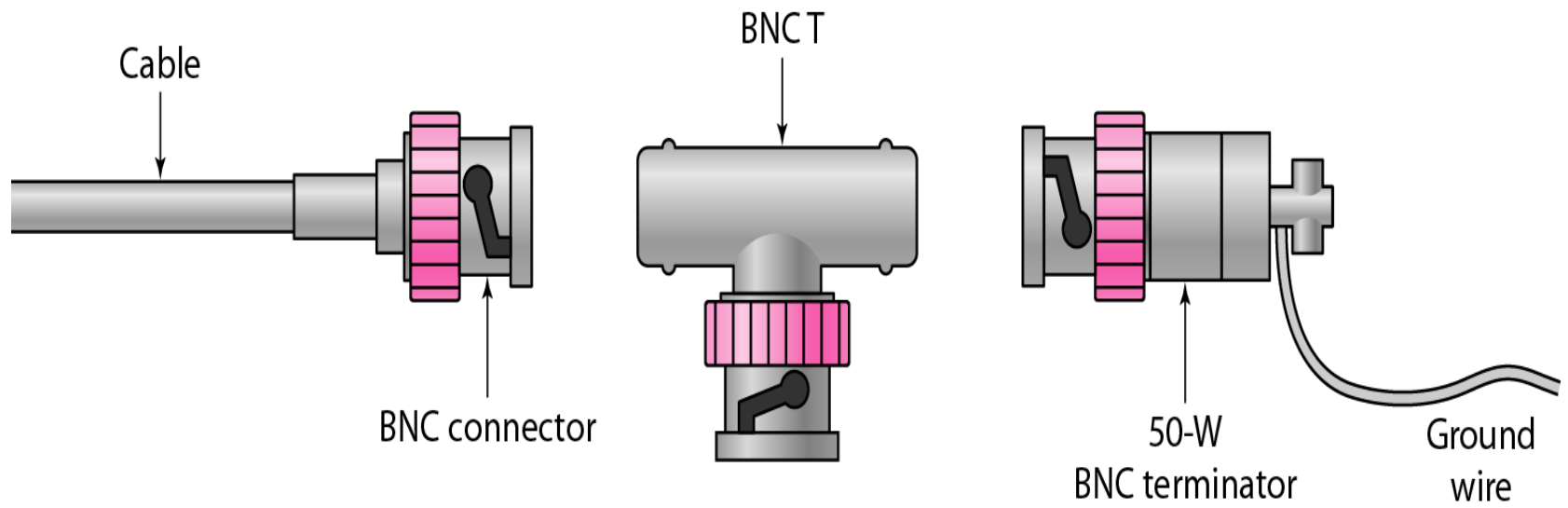
COAXIAL CABLE



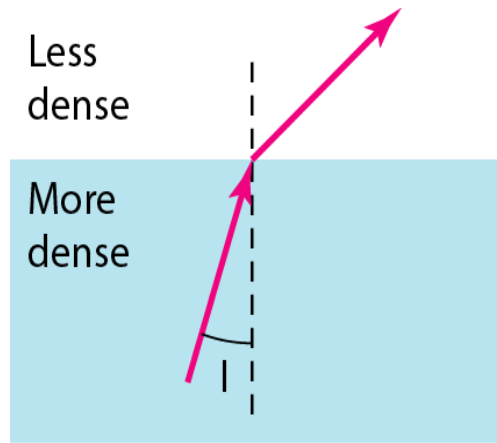
CATEGORIES OF COAXIAL CABLES

<i>Category</i>	<i>Impedance</i>	<i>Use</i>
RG-59	75 Ω	Cable TV
RG-58	50 Ω	Thin Ethernet
RG-11	50 Ω	Thick Ethernet

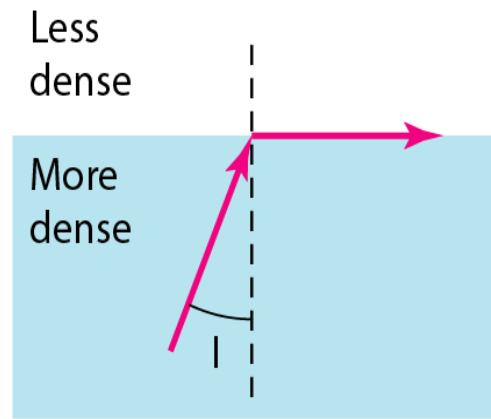
BNC CONNECTORS



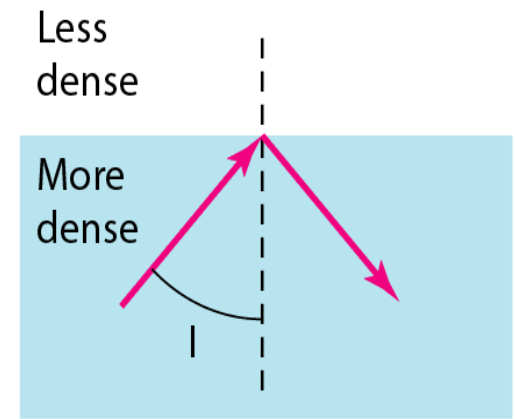
FIBER OPTICS: BENDING OF LIGHT RAY



$i < \text{critical angle}$,
refraction

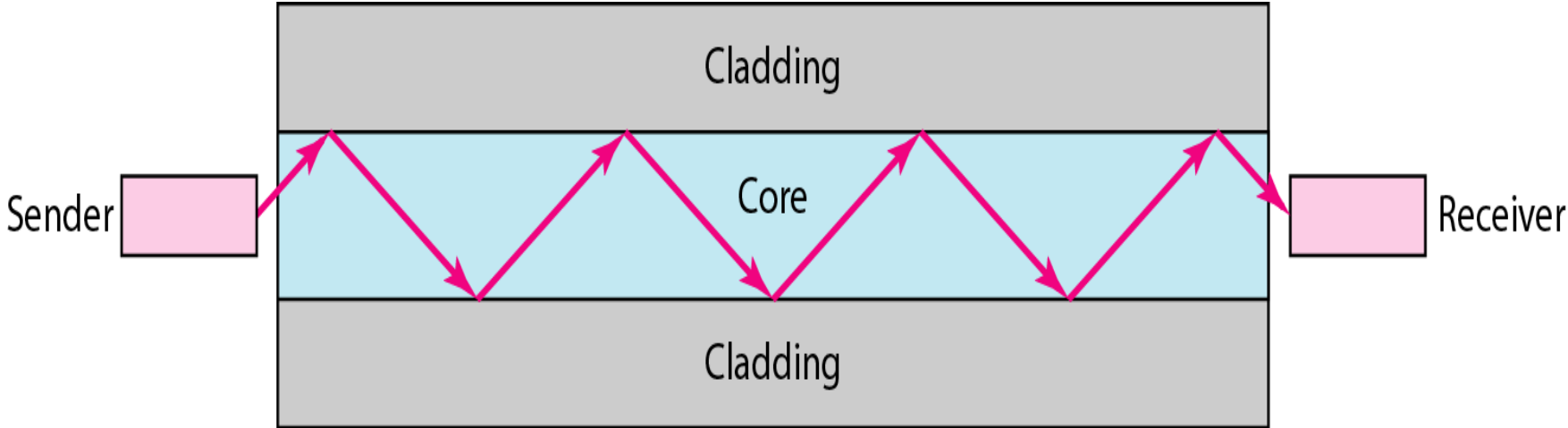


$i = \text{critical angle}$,
refraction



$i > \text{critical angle}$,
reflection

OPTICAL FIBER



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	Delimiting and synchronization of data exchange is provided by _____	Application layer	Presentation layer	Session layer	Session and Presentation layer
2	In OSI model, when data is sent from device A to device B, the 5th layer to receive data at B is _____	Application layer	Presentation layer	Session layer	Session and Presentation layer
3	In TCP IP Model, when data is sent from device A to device B, the 5th layer to receive data at B is _____	Application layer	Presentation layer	Session layer	Session and Presentation layer
4	In the OSI model, as a data packet moves from the lower to the upper layers, headers are _____	Added	Removed	Rearranged	Randomized
5	Which of the following statements can be associated with OSI model?	A structured way to discuss and easier update system components	One layer may duplicate lower layer functionality	Functionality at one layer no way requires information from another layer	It is an application specific network model

REFERENCES

- <http://www.engppt.com/2009/12/networking-fourzan-ppt-slides.html>

