

### Ring Final Circuit Testing Problem

The following tests were obtained from a ring final circuit continuity test. State if the readings for each socket are satisfactory and give reasons for any of those that you feel may be unsatisfactory.

Note!

The end to end resistance of phase, neutral and cpc loops are all  $0.5\Omega$ .

Socket	P-N reading	P-CPC reading	Result/Reason
A	$0.25\Omega$	$0.26\Omega$	
B	No reading	$0.25\Omega$	
C	$0.35\Omega$	$0.24\Omega$	
D	$0.24\Omega$	No reading	
E	$0.26\Omega$	$0.26\Omega$	

Results on next page

Socket	P-N reading	P-CPC reading	Result/Reason
A	0.25Ω	0.26Ω	Satisfactory
B	No reading	0.25Ω	Neutral o/c or P-cpc reversed
C	0.35Ω	0.24Ω	Loose neutral
D	0.24Ω	No reading	Cpc o/c or P-N reversed
E	0.26Ω	0.26Ω	Satisfactory