CONTINUITY: WHAT YOU ARE ACTUALLY PROVING

R1, R2, OR R1 PLUS R2. WHICH DO YOU RECORD?

Continuity is about one thing: **a low resistance**. You are proving the conductor is continuous end to end, with nothing broken, loose or high-resistance in it.

SYMBOL	WHAT IT IS
r_1 (little r1)	End-to-end resistance of the **line** conductor
r_n (little rn)	End-to-end resistance of the **neutral**
r_2 (little r2)	End-to-end resistance of the **cpc**
$R_1 + R_2$	Line and cpc together — the value you record for the circuit

Lower case is the ring.

Little r values are the end-to-end readings you take on a ring before you cross-connect, and for end-to-end tests. Capital R is what you calculate at steps 2 and 3 — and only step 3, R1 + R2, is recorded.

Free section from Sparky Study Notes. The full Level 3 notes, 1,463 practice questions and the video lessons: sparkystudynotes.co.uk