

POWERLINE LINEAR POWER DISTRIBUTION SYSTEM

Powerline is a 16A 110V linear power distribution system, which can be installed above ground level, reducing the risk of slips and trips. It is ideally suited for installation in corridors where space is often at a premium and where each outlet can provide a source of power for individual rooms or flats.

Powerline comprises of 25, 50 and 100 metre lengths of 2.5mm² 3 core flexible yellow cable with a moulded-on, one metre long "T" drop every 5 metres. Fitted to the end of each drop is a 16A 2P+E 110V coupler socket, for users to plug-in lights and small power tools. A 16A plug is fitted to the supply.

Powerline should be protected at source by a double-pole MCB rated at 16A or less. It may also be necessary to provide RCD protection for the circuit, particularly if Powerline is hard wired to an MCB and not plugged-in to a 16A socket. To avoid overloading Powerline and to calculate the volts drop at each outlet, please refer to the Powerline worksheet of the Blakley Calculator, which can be found in the Downloads section of our website: www.blakley.co.uk

Powerline has been specifically developed for arduous applications. The multi-way connections within each "T" section are provided with effective strain relief prior to encapsulation in an inert polymer with high dielectric strength. After initial curing, the inner moulding is encapsulated within an outer moulding, which provides additional strain relief and ensures a high level of protection against water ingress. The high level of integrity achieved with this moulded arrangement is not consistently achievable with product assembled from tee boxes with compression glands, which loosen over time allowing the outer sheath to be pulled through the glands, exposing the inner cores and negating protection against water ingress.

Part numbers for standard 110V Powerline

Part No.	Description
S170173D	25m of 2.5mm ² 3 core yellow cable with a 16A "T" drop every 5 metres (5 drops). Fitted with a 16A plug and coupler to either end of the cable.
S170172D	50m of 2.5mm ² 3 core yellow cable with a 16A "T" drop every 5 metres (10 drops). Fitted with a 16A 110V plug to one end of the cable; the other end is capped.
S170136D	100m of 2.5mm ² 3 core yellow cable with a 16A "T" drop every 5M (20 drops). Fitted with a 16A 110V plug to one end of the cable; the other end is capped.

Powerline with different length drops and / or with drops at different spacing can be made to order. It is also available made from 4mm² 3C yellow cable.



Powerline Moulded "T" drop