



Construction

- 1 - Plain Annealed Copper Conductor
- 2 - Silicone Insulated
- 3 - Mica Glass Fibre Wrap
- 4 - Tinned Annealed Copper Drain Wire
- 5 - Electrostatic Screen
- 6 - Thermoplastic LSZH Sheath

Sheath Colours Available:

Red or White standard; Black, other colours and external grade available to order.

Core Colours:

- 2 core and Earth: Brown & Blue
- 3 core and Earth: Brown, Black & Grey
- 4 core and Earth: Brown, Blue, Black & Grey



FIRESAFE TW950e is an "Enhanced" fire resistant cable that is recommended for systems needing to operate fully during a fire for longer periods than those normally required for single phase evacuation of a building.

This may include high rise buildings that do not have sprinkler systems and have passed evacuation arrangements, or large premises where areas remote from the fire could remain occupied on the condition the fire does not damage cables serving the alarm system in those areas.

Approvals

1. In meeting the requirements of BS7629, the FIRESAFE TW950e cables listed met the requirements of smoke density of BS EN 50268-2:2000, fire resistance requirements CWZ in Clause 11 of BS6387:1994 and achieved less than 0.5% HCl on the (outer covering, binder tape & insulation) when tested in accordance with BS EN 50267-2-1:1999.
2. The duration of 120 minutes when tested in accordance with BS8434-1:2003 is achieved by 60 minutes for the fire and impact phase and an additional 60 minutes for the fire, impact and water phase as described in Clause 26.2e of BS5839-1:2002
3. The FIRESAFE TW950e cables listed conform to BS7629, met Class PH120 when tested in accordance with EN 50200:2000 and met the 120 minute duration when tested in accordance with BS8434-2:2003 and hence met the requirements for a standard fire resistant cable as described in Clause 26.2 of BS5839-1:2002.

For technical details see tables page 7