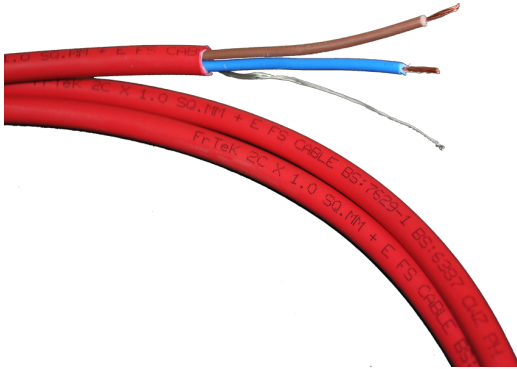# CABLE
FIRE-RESISTANT PH30/PH120

FIRE-RESISTANT CABLE

DESCRIPTION

Fire-resistant cables with Halogen-free compounds are mainly used to install fire alarm and emergency evacuation systems where long-term electrical circuits are required under fire conditions and to prevent loss of life and property.

These cables are suitable for outdoor and underground applications when installed in conduits or tubes. When installed in conduit, all precautions must be taken to prevent water accumulation from the pipes.

Suitable for fixed installation in dry and moist rooms, in, above, on and beneath plaster, in masonry walls and concrete.

Applications include industrial complexes, power stations, communal establishments, hotels, airports, underground railway networks, hospitals and outpatient clinics, department stores, data processing centres, theatres, cinemas, multi-storey buildings, public gatherings, schools, etc. mining works, offshore plants, leading centres, traffic communication, emergency power supply and alarm systems.

FEATURES

- Versatile use for RS485 communication, addressable system and conventional system wiring
- Tested to IEC 60332-1, Cat CWZ to BS 6387, BS EN 50200
- No short circuit under a direct flame of up to 850 °C for the duration equivalent to the rating
- PH30-functionality assures the functional performance of emergency systems up to 30 minutes
- PH120-functionality assures the functional performance of emergency systems up to 120 minutes
- Class 2 stranded copper conductor
- Core wrapping with special mica impregnated glass fibre tape
- Red outer jacket
- Screening with alu-laminated polyester tape and stranded tinned copper drain wire

TECHNOSWITCH
FIRE DETECTION & SUPPRESSION

CABLE
FIRE-RESISTANT PH30/PH120

SPECIFICATIONS

Flame retardant, fire rated security and fire warning cable

Conforms to BS EN 50200 and tested to BS 6387

Voltage Rating	U_o / U 300 / 500 V
Cable Construction	Twisted 2C x 1.0 Sq.mm + E
Conductor Resistance	18.1 Ω / km
Outer Diameter	
PH30	7.8 mm
PH120	9.0 mm
Operating Temperature	-15 °C to 70 °C

ORDERING INFORMATION

Product Code	Product Description
FC-2PH30-500	PH30, 2-core, 1 mm, Stranded Cable (500 m), RS485
FC-2PH120-500	PH120, 2-core, 1 mm, Stranded Cable (500 m), RS485