FIRETEC ARMOURED

Manufactured and designed to BS 7846

Voltage Rating	600/1000 volts
Description	Firetec Armoured cable is fire resistant and is suitable for use in fixed installations, fire alarm systems, emergency lighting and power to critical circuits. This cable is robust, flexible and suitable for use inside and outside buildings. It meets the enhanced grade of BS 5839 26.2e.
Construction	Stranded plain annealed copper conductors. Mica/glass fire barrier tape. Cross linked polyethylene insulation (XLPE). LSZH bedding, steel wire armouring and LSZH outer sheath.
Operating Temperature	-10°C to +90°C
Minimum Bending Radius	6 x overall diameter (8 times for cables 25mm² and above)
Core Identification	2c - Bn & Be. 3c - Bn, Blk & Gy. 4c - Bn, Blk, Gy & Be.* Multicore - white cores with black printed numbers
Lengths	Cut lengths on request
Sheath Colour	Black
Manufacturing Standard	BS 7846 F1 and F2
Code of Practice	BS 5839-1 Clause 26.2e Enhanced
Fire Tests	BS 8434-2 BS EN 50200 PH30, PH60, PH120 BS 6387 C W & Z
Emissions and Flame Propagation	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation
Special Notes	1. *Old core colours available. 2c Rd, Blk. 3c Rd, Yw, Be. 4c Rd, Yw, Be, Blk. 2. This cable can be supplied without steel wire armour for situations where sufficient mechanical protection already exists and where a smaller, lighter, more flexible cable would be preferred. Simply request details of our Firetec Power range of cables. Fire resistant to BS 6387 C W & Z, LSZH material used throughout, LPCB approved. 3. Methods of cable support should withstand a similar temperature and duration to that of the cable.

FIRETEC SINGLECORE

A fire resistant LSZH conduit wire

Voltage Rating	600/1000 volts
Description	Firetec Singlecore is designed to be installed in metal conduit. For use in fire alarm and emergency lighting circuits for new installations or upgrading existing conduit systems to fire performance standards. Elastomeric insulation gives high mechanical strength, excellent flexibility and resistance to abrasion.
Construction	Stranded plain annealed copper conductors. Mica/glass fire barrier tape. Elastomeric LSZH outer sheath.
Operating Temperature	-10°C to +90°C
Minimum Bending Radius	6 x overall diameter
Core Identification	Bn, Blk, Gy, Be, Rd, Oe, Yw & Gn/Yw. Other colours available on request
Lengths	100/500 mtrs. Special lengths available on request
Standards	BS 6387 C, W, Z and IEC 60331-21 when tested in a steel conduit at a temperature of 950°C and an increased voltage of 600/1000volts.
Emissions and Flame Propagation	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation
Special Notes	Methods of cable support should withstand a similar temperature and duration to that of the cable.

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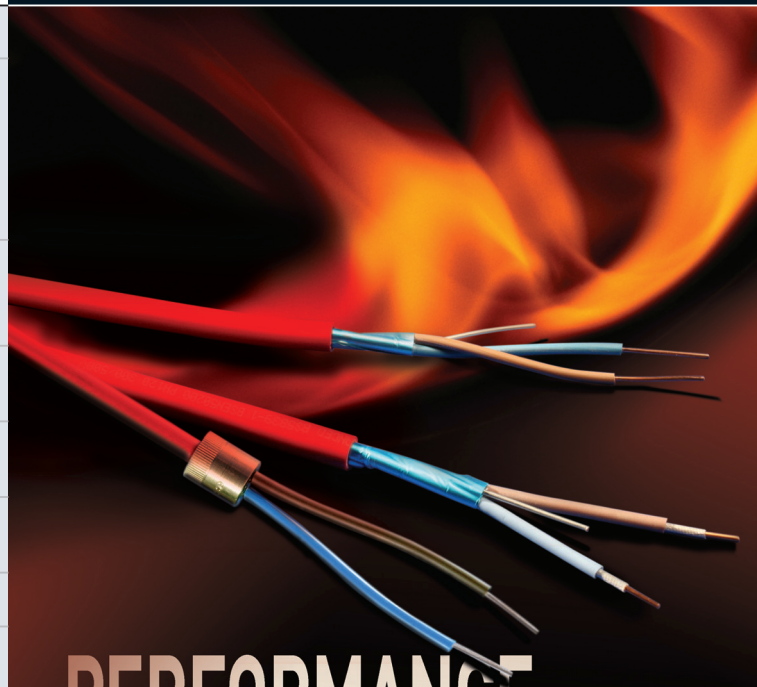
AEI Cables' manufacturing site has full **ISO9001** Quality System approval by LPCB and BASEC

For **technical data sheets** visit www.aeicables.co.uk

TOTAL FIRE SOLUTIONS



PERFORMANCE

WHEN YOU NEED IT MOST

MORE THAN A CABLE COMPANY

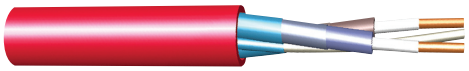
MINERAL INSULATED

Manufactured and designed to BS EN 60702-1

Voltage Rating	500 volts Light Duty. 750 volts Heavy Duty
Description	Mineral Insulated cable is the ultimate fire performance cable. It guarantees the integrity of data transmission and is the ideal choice for addressable alarm systems. It is also suitable for emergency lighting and power to critical circuit paths inside and outside buildings. It exceeds the enhanced grade of BS 5839 26.2e.
Construction	Solid copper conductor. Compressed magnesium oxide powder insulation. Solid copper sheath and optional thermoplastic LSZH sheath.
Operating Temperature	-10°C to +250°C
Minimum Bending Radius	6 x overall diameter
Core Identification	Coloured sleeving available
Lengths	LD - 100/500 mtrs. Special lengths available on request HD - Cables available in nominal lengths
Sheath Colour	Red, White or Orange. Other colours available
Manufacturing Standard	BS EN 60702-1 and BS EN 60702-2 Accessories (BS EN 60079)
Code of Practice	BS 5839-1 Clause 26.2e Enhanced BS 5266 BS 7346-6
Fire Tests	BS 8434-2 BS EN 50200 PH30, PH60, PH120 BS 6387 C W & Z BS 8491
Emissions and Flame Propagation	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation (In its bare copper form there are no emissions)
Special Notes	Methods of cable support should withstand a similar temperature and duration to that of the cable.

FIRETEC ENHANCED

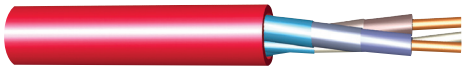
Manufactured and designed to BS 7629



Voltage Rating	300/500 volts
Description	Firetec Enhanced cable is suitable for fire alarm systems and emergency lighting circuits. The mica glass tape is applied directly over the conductor to ensure the best possible enhanced fire performance from a soft skin cable. It meets the enhanced grade of BS 5839 26.2e.
Construction	Solid or stranded plain annealed copper conductors. Tinned annealed copper full size CPC. Mica/glass fire barrier tape. Aluminium/polyester laminated tape screen. LSZH insulation and outer sheath.
Operating Temperature	-10°C to +90°C
Minimum Bending Radius	6 x overall diameter
Core Identification	2c - Bn & Be. 3c - Bn, Blk & Gy 4c - Bn, Blk, Gy & Be
Lengths	100/500 mtrs. Special lengths available on request
Sheath Colour	Red or White. Other colours available
Manufacturing Standard	BS 7629-1
Code of Practice	BS 5839-1 Clause 26.2e Enhanced BS 5266
Fire Tests	BS 8434-2 BS EN 50200 PH30, PH60, PH120 BS 6387 C W & Z
Emissions and Flame Propagation	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation
Special Notes	Methods of cable support should withstand a similar temperature and duration to that of the cable.

FIRETEC STANDARD

Manufactured and designed to BS 7629



Voltage Rating	300/500 volts
Description	Firetec Standard cable is suitable for fire alarm systems and emergency lighting circuits. It meets the standard grade of BS 5839 26.2d.
Construction	Solid or stranded plain annealed copper conductors. Tinned annealed copper full size CPC. Aluminium/polyester laminated tape screen. LSZH insulation and outer sheath.
Operating Temperature	-10°C to +90°C
Minimum Bending Radius	6 x overall diameter
Core Identification	2c - Bn & Be. 3c - Bn, Blk & Gy 4c - Bn, Blk, Gy & Be
Lengths	100/500 mtrs. Special lengths available on request
Sheath Colour	Red or White. Other colours available
Manufacturing Standard	BS 7629-1
Code of Practice	BS 5839-1 Clause 26.2d Standard BS 5266
Fire Tests	BS 8434-1 BS EN 50200 PH30, PH60 BS 6387 C W & Z
Emissions and Flame Propagation	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265, 50266 (IEC 60332) Flame Propagation
Special Notes	Methods of cable support should withstand a similar temperature and duration to that of the cable.