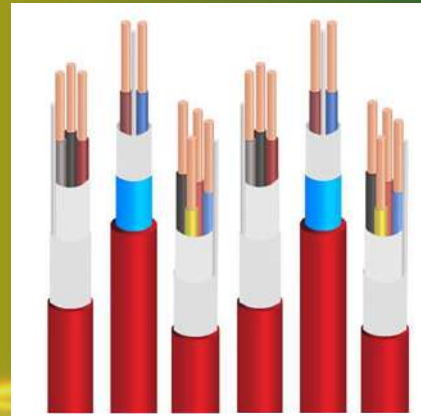




ACCUREX

Technical Catalogue

Fire Resistant Cables

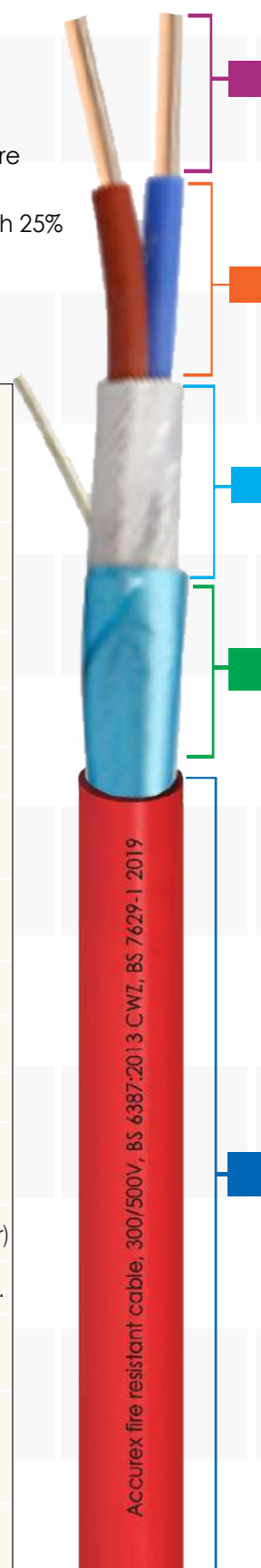


Fire Resistance Cable

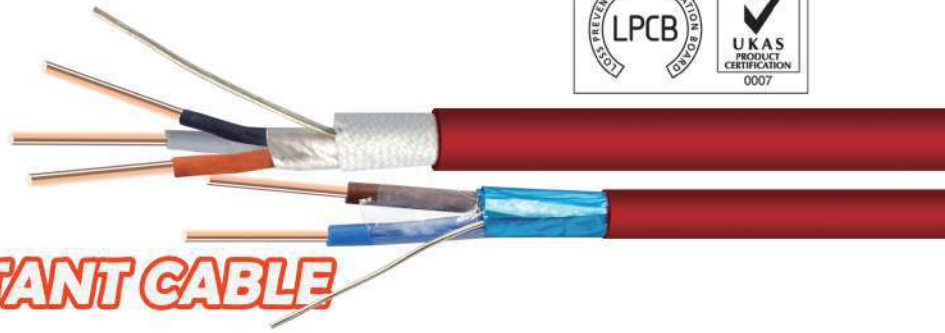
Accurex Fire resistant cables are designed to maintain circuit integrity of those vital safety and rescue equipment during the fire. In addition to maintaining circuit integrity under fire conditions, Accurex Fire resistant cables have limited evolution of smoke and corrosive gases when assessed under the fire conditions, thus safeguarding human life and protecting equipment.

Construction

- **Conductor** : Solid or stranded copper conductor class 1 or 2 to BS 5839-1
- **Insulation** : Cross linked compound type EI 2 or GP6 or EI 5 to BS 7629. When necessary a fire preferment tape may be applied over the conductor or over the insulation.
- **Screen** : Laminated Aluminium tape bonded to a baking material, helically applied with 25% overlap the metallic side down.
- **Sheath** : LTS 3 compound to BS 7629
- **Lay-up** : A drain wire shall be run along the lay-up cores



General:	Accurex cables designed as per BS 5839 for applications requiring 'standard' fire resistance
Approvals:	LPCB Approval
Voltage grade:	300 / 500 V
Conductor Resistance:	BS 7629
Spark Test on Insulation:	BS 6387 Category W
Voltage Test on Completed Cable	2000 V AC
Resistant to Fire with Water	BS 6387 Category Z (950°C for 3 hour)
Resistant to Fire with Mechanical Shock	BS 6387 Category Z (950°C for 3 hour)
Flame Propagation Test on single Cable	BS 50200
Smoke Emission	BS 7629
Cable Operating temperature	Maximum 90°C
Short Circuit temperature	Maximum 250°C
Minimum Transmittance	80% for cable of diameter <= 20mm 60% for cable of diameter <= 20 to 40mm
Fire resistance:	Standard fire resistant cable as per BS 6387- Category C (950°C for 3 hr)
Colours	White or Red sheath are standard, other colours available request.
Packaging	100 or 500 meter reels: Other packaging and lengths available on request
Key Applications	The use of cables with 'standard' fire resistance is recommended for general use for fire detection, voice alarm, addressable system and emergency lighting
Salient features	Highly durable, easy to terminate 2ae007onm.



LPCB FIRE RESISTANT CABLE

Cable type	No. of cores& section(mm ²)	Rated voltage (V)	Conductor Siz(mm ²)	Conductor type(class1 or class2)	Number cores	Insulation material type	Binding types	Average Overall diameter (mm)	Sheath material type	Select colour	Category
ACCUREX-FR 210	2×1.0	300/500	1.0	class1	2+E	E12	Mica+AL-Foil	6.5	LTS3	red/white	CWZ
ACCUREX-FR 215	2×1.5	300/500	1.5	class1	2+E	E12	Mica+AL-Foil	7.2	LTS3	red/white	CWZ
ACCUREX-FR 225	2×2.5	300/500	2.5	class1	2+E	E12	Mica+AL-Foil	7.8	LTS3	red/white	CWZ
ACCUREX-FR 310	3×1.0	300/500	1.0	class1	3+E	E12	Mica+AL-Foil	6.7	LTS3	red/white	CWZ
ACCUREX-FR 315	3×1.5	300/500	1.5	class1	3+E	E12	Mica+AL-Foil	8.0	LTS3	red/white	CWZ
ACCUREX-FR 325	3×2.5	300/500	2.5	class1	3+E	E12	Mica+AL-Foil	9.1	LTS3	red/white	CWZ
ACCUREX-FR 410	4×1.0	300/500	1.0	class1	4+E	E12	Mica+AL-Foil	7.1	LTS3	red/white	CWZ
ACCUREX-FR 415	4×1.5	300/500	1.5	class1	4+E	E12	Mica+AL-Foil	8.5	LTS3	red/white	CWZ
ACCUREX-FR 425	4×2.5	300/500	2.5	class1	4+E	E12	Mica+AL-Foil	9.5	LTS3	red/white	CWZ

