Draka

Firetuf Easystrip Zero Halogen Low Smoke cable has been designed and manufactured in the UK to provide superior flame retardance and circuit integrity, together with optimised ease of installation characteristics, which include:

- Meets BS 5839-1, Standard Category.
- Fastest ever sheath removal, allowing reduced termination times.
- Smallest diameter and most flexible.
- Easily dressable.
- Smallest bending radius without deformation or cable kinking.
- Reduced weight.

FIRETUF® easystrip

Tested and certified by LPCB and BASEC

LPCB 361d/01 UKAS

BASEC Certificate No. 004 UKAS

FIRETUF® easystrip

Zero Halogen, Low Smoke (OHLS®) cable, maintaining circuit integrity when exposed to fire, meeting the standard category of BS 5839-1:2002.

Manufactured to BS 7629 part 1, and having superior installation characteristics and fire resistance.

Firetuf Easystrip cables are specifically designed to meet the standard requirements for Fire Detection and Alarm Systems in BS 5839 Part 1 and Codes of Practice for Emergency Lighting in BS 5266 Part 1.

Typical uses include: Analogue addressable alarm systems, public address systems, emergency lighting and voice evacuation systems.

Construction

Conductors:	Solid (Class 1) or stranded (Class 2) plain annealed copper wire to BS 6360 and IEC 60228.
Insulation:	Silicone rubber to BS 7655: Section 1.1, Type EI2.
Electrostatic screen:	Aluminium/polyester laminated tape.
Conductor (earth):	Full size solid tinned or stranded annealed copper to BS 6360 and IEC 60229.
Sheath:	High Performance, Flame Retardant, Zero Halogen,Low Smoke (OHLS®) compound.

Physical Characteristics

Voltage rating (Uo/U):	300/500V.
Operating temp.:	-40˚C to +90˚C (The cable should not be flexed when either the ambient or cable temperature is below 0˚C).
Min. bending radius:	6 x overall diameter of cable.

Standards Achieved

Circuit integrity:	Passes BS 5839-1:2002 Clause 26.2d Standard. Passes BS 8434-1:2003. Passes EN50200 PH30.
Flame propagation:	Passes IEC 60332-3, IEC 60332-1, BSEN 50265, BSEN 50266.
Acid gas emission:	Passes IEC 60754, BSEN 50267.
Smoke emission:	Passes IEC 61034, BSEN 50268.

Firetuf cables are tested and Certified by LPCB and BASEC to the latest edition of appropriate Standards.

LPCB Ref. No. 361d/01

Cable ref.	No. of cores	Conductor Class	CSA mm²	Protective earth conductor CSA mm²	Nominal overall diameter mm	Approx. nett weight kg/km
FTES2EH1.5	2	1	1.5	1.5	7.7	100
FTES3EH1.5	3	1	1.5	1.5	8.0	117
FTES4EH1.5	4	1	1.5	1.5	9.2	145
FTES2EH2.5	2	1	2.5	2.5	8.9	150
FTES3EH2.5	3	1	2.5	2.5	9.5	177
FTES4EH2.5	4	1	2.5	2.5	10.9	220
FTES2EH4.0	2	2	4.0	4.0	10.7	225
FTES3EH4.0	3	2	4.0	4.0	11.9	275
FTES4EH4.0	4	2	4.0	4.0	13.4	340

Current Ratings and Associated Volt Drop

BS 7629 limits maximum conductor temperature (unless enclosed) to 70˚C

Phase conductor CSA	Reference method 1* (Clipped Direct)				Reference method 3* (Enclosed)			
	one twin cable with protective conductor single phase AC or DC		one 3 or 4 core cable with protective conductor, 3 phase		one twin cable with protective conductor single phase AC or DC		one 3 or 4 core cable with protective conductor, 3 phase	
	current rating	volt drop per amp per metre	current rating	volt drop per amp per metre	current rating	volt drop per amp per metre	current rating	volt drop per amp per metre
mm²	A	mV	A	mV	A	mV	A	mV
1.5	19.5	29	17.5	25	16.5	29	15	25
2.5	27	18	24	15	23	18	20	15
4.0	36	11	32	9.5	30	11	27	9.5

* As defined in Appendix 4 of BS 7671, the IEE Wiring Regulations, 16th Edition. Conductor operating temperature: 70˚C. Ambient temperature: 30˚C.

Further conductor sizes available, details upon request.

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