



H07ZZ-F ALSECURE

HALOGEN FREE AND FIRE RETARDANT FLEXIBLE CABLE



DESCRIPTION

Conductor: Bare copper conductor, **Sheath:** Special cross-linked elastomer outer sheath, **Sheath Colour:** Black.

APPLICATION

Suitable for both internal and external installations, this cable is primarily used where fire, smoke and toxic fumes create a threat to life and costly damage to equipment. Areas of use include Data Centre's, UPS and the Entertainment sector amongst many others. Manufactured to withstand mechanical stresses, waterproof, oil resistant and chemical resistant to accidental spillage.

This cable is particularly recommended for all installations in which safety conditions require the use of a flexible and LSOH (Low Smoke Zero Halogen) cable:

- Wiring for industrial installations
- Wiring for road and rail tunnels
- Wiring for industrial warehouses
- Wiring for rooms containing electrical, electronic or computer equipment
- Wiring for central control rooms
- Wiring for airports stations, port facilities and ships
 - Wiring for hospitals
- Wiring for buildings open to the public
- Wiring for house and tall buildings

TECHNICAL DATA

Rated Voltage U₀/U (U_m): 450/750v

Chemical resistance: Accidental

Waterproof: Good

Max. conductor temperature in service: 90 °C

Oil resistance: Yes

Operating temperature range: -25°C to +55°C

Short-circuit max. conductor temperature: 250°C

Bending Radius: 4 x OD (Fixed)
6 x OD (Mobile)

CPR Rating: 35mm - 70mm = **Cca (From BASEC)**
95mm - 630mm = **B2ca (From BASEC)**

Approvals/Standards: IEC/EN 60332-3 (cat C),



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NO. OF CORES	CROSS SECTION	SINGLE-PHASE AC OR DC (2 SINGLE CORE CABLES TOUCHING)	VOLTAGE DROP SINGLE PHASE	MIN. OUTER DIAM.	MAX. OUTER DIAM.	APPROX. WEIGHT
	mm ²	A	V/A.Km	mm	mm	Kg/Km
1	35	200	1.04	14.3	17.9	482
1	50	250	0.75	16.5	20.6	662
1	70	310	0.56	18.6	23.3	895
1	95	369	0.44	20.8	26.0	1144
1	120	432	0.36	22.8	28.6	1430
1	150	497	0.31	25.2	31.4	1740
1	185	564	0.28	27.6	34.4	2160
1	240	673	0.23	30.6	38.3	2730
1	300	773	0.2	33.5	41.9	3480
1	400	924	0.18	37.4	46.8	4510
1	500	1062	0.16	41.3	52.0	5700
1	630	-	-	45.7	-	7300

ALL FIGURES QUOTED ARE APPROXIMATE

The table above is in accordance with Table 4F2A of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52

Ambient Temperature: 30°C

Conductor Operating Temperature: 90°C



Lead Free
Yes



Rated Voltage
Uo/U (Um)
450 / 750 V



Mechanical
Resistance To
Impacts
Very good



Cable
Flexibility
Flexible



Chemical
Resistance
Accidental



Water Proof
Good



Max.
Conductor
Temp In.
Service 90°C



Oil Resistance
Yes



Operating
Temp.
-25 - 55 °C