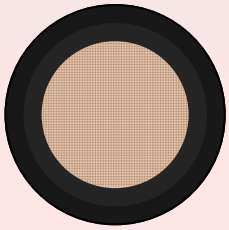
H07ZZ-F PROTECT

Halogen Free & Fire Retardant Flexible Power Cable





DESCRIPTION

Conductor: Electrolytic copper, class 5 (flexible), in accordance with EN 60228 and IEC 60228,
Insulation: Halogen-free thermosetting rubber, type EI8 according to EN 50363-5,
Sheath: Halogen-free flexible thermosetting rubber, type EM8 according to EN 50363-6,
Sheath Colour: Black.

APPLICATION

Suitable for power distribution in public buildings, high-rise developments, commercial premises and residential installations where enhanced fire performance is required. The flexible, halogen-free construction offers low smoke emissions, flame non-propagation and resistance to oils, impacts and UV exposure. Suitable for fixed and mobile applications, including cable trays, ducts, wall-mounted installations and outdoor use. Ideal for environments where fire safety and reduced smoke emissions are critical.

TECHNICAL DATA

Rated Voltage Uo/U (Um):	450/750v
Chemical resistance:	Accidental
Waterproof:	Good
Max. Conductor Temp. in Service:	90 °C
Oil resistance:	Yes
Operating temperature range:	-25°C to +55°C
S.C. Max. Conductor Temp.:	250°C
Bending Radius:	4 x OD (Fixed) 6 x OD (Mobile)

CPR Rating:
35mm² - 70mm² = **Cca-s1a, d2, a1 (From BASEC)**
95mm² - 630mm² = **B2ca-s1a, d2, a1 (From BASEC)**

Approvals/Standards:	EN 50525-3-21; EN 50575; IEC 60228

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No. of Cores	Cross Section	Perm. Current Rating in Open Air	Perm. Mobile Install Current	Voltage Drop, Single Phase	Min. OD	Max. OD	Approx. Weight	A2 Gland
	mm²	A	A	V/A.km	mm	mm	Kg/Km	Brass
1	35	169	120	1.04	14.3	17.9	482	25
1	50	207	146	0.75	16.5	20.6	662	25
1	70	268	190	0.56	18.6	23.3	895	32
1	95	328	232	0.44	20.8	26.0	1144	32
1	120	382	270	0.36	22.8	28.6	1430	32
1	150	441	312	0.31	25.2	31.4	1740	40
1	185	506	358	0.28	27.6	34.4	2160	40
1	240	599	424	0.23	30.6	38.3	2730	50S
1	300	693	490	0.2	33.5	41.9	3480	50
1	400	825	583	0.18	37.4	46.8	4510	50
1	500	946	669	0.16	41.3	52.0	5700	50
1	630	1088	769	0.13	45.7	57.0	7300	63S

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

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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