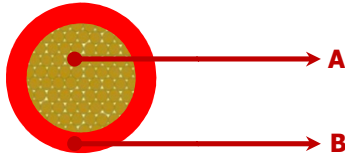


ÖLFLEX® INFRA HFFR

DS 8410011U

Valid from: 2020-02-01



A – Annealed Bare Copper Conductor

B – Flame Retardant PVC Insulation

Application

OLFLEX® INFRA HFFR single cores with flame retardant low smoke insulation having excellent temperature index, flame properties and zero halogen content. Used for internal wiring for installation in pipes and conduits. These wires are suitable for fixed installation and may not be used for direct laying on racks, troughs and tubes. These wires render a great importance in applications where safety of human and animal life as well as valuable property is of utmost importance, when exposed to high risk of fire hazards.

Design

Conductor : Annealed Bare copper, Class V in acc. to IS 8130/IEC 60228
 Insulation : Zero halogen compound as per LAPP Standard
 Current Rating : in acc. to IS 3961

Electrical properties

Nominal voltage 1100 V
 Test voltage 3000 V AC

Mechanical properties

Min. bending radius occasional flexing: 8 x cable OD
 Fixed installation: 6 x cable OD
 Temperature range occasional flexing: -15 °C up to +70 °C max. Conductor temperature

Flame retardant properties and other tests

Oxygen Index: > 29 in accordance to ASTM-D 2863
 Temperature Index: minimum 250°C in accordance to ASTM-D 2863
 Smoke Density: Maximum smoke density of 40% as per ASTM-D 2843
 Acid Gas Generation: HCL content maximum 0.5% as per IEC 754-1
 Flammability in acc. with IS 10810-53 / IEC 60332-1
 Tests acc. to IS 10810

Special properties

This product conforms to
RoHS directive (Restriction of the use of certain hazardous substances)

Article No.	Conductor Cross Section	Nominal Outer Diameter (mm)	Copper Weight (Kg/Km) Approx.	Cable Weight (Kg/Km) Approx.	Current rating (A)	Standard Pack Length (m)
8410..1	1 x 0.5 mm ²	2.2	4.6	10.7	12	90, 180, 270
8410..2	1 x 0.75 mm ²	2.4	6.7	13.5	14	90, 180, 270
8410..3	1 x 1.0 mm ²	2.6	8.7	16.0	17	90, 180, 270
8420..1	1 x 1.5 mm ²	2.9	12.6	21.0	22	90, 180, 270
8420..2	1 x 2.5 mm ²	3.6	21.1	32.8	29	90, 180, 270
8420..3	1 x 4 mm ²	4.3	34.9	51.6	36	90, 180, 270
8420..4	1 x 6 mm ²	4.8	52.6	72.5	48	90, 180, 270
8420..5	1 x 10 mm ²	6.2	87.6	119.4	70	90, 180, 270
8420..6	1 x 16 mm ²	7.2	137.1	176.0	98	90, 180, 270

This product is offered in following colours

00 – Yellow/Green 01 – Black 02 – Blue 03 – Brown 04 – Red 05 – White
06 – Grey 07 – Violet 08 – Pink 09 – Orange 11 – Yellow 12 – Green
14 – Dark Blue