



IX-AI, IXXX-AI AHF

Non-sheathed single-core installation cables 450/750 V, with LSZH insulation

APPLICATION

Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation. Single core cables, resistant to flame propagation, insulated with halogen-free thermoplastic compound, for fixed wiring. Can be installed in conduits, fixed on surfaces or embedded or in closed analogue systems, particular indicated for situation in which it is necessary to reduce the emission of corrosive smoke and gases, for example in case of fire. In busy public places like hospitals, cinemas, schools, etc.

For more detailed information, check the EN 50565 Usage Guide for Cables with a Rated Voltage not Exceeding 450/750 V (U0 /U).

TECHNICAL CHARACTERISTICS

Test voltage: 2,5 kV

Rated voltage: 450/750 V

Bending radius (min): single-core- 6D

Max. conductor temperature: 70°C

Max. short-circuit temperature: 160°C

STANDARD

EN 50525-3-31, IEC 60502-1

CONSTRUCTION

Conductors: Al, class 2 according to EN 60228

Insulation: LSZH compound

CERTIFICATION



International
Electrotechnical
Commission

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

Single-core: ● Green/Yellow OR ● Black

Other colours available on request

IX – AL

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN THE AIR AT 30	INSULATION THICKNESS	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	mm	mm	kg/km	kg/km
1x50	RM	0,641	140	1,4	11,0	145,0	210
1x95	RM	0,320	161	1,6	14,7	275,5	376
1x150	RM	0,206	204	1,8	17,9	435,0	574

IXXX – AL

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN THE AIR AT 30	INSULATION THICKNESS	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	mm	mm	kg/km	kg/km
1x240/37	AHF	0,125	269	2,2	22,6	696,0	912
1x240/61	AHF	0,125	269	2,2	22,6	696,0	912

