

UNIRAIL HT – EN 50382-2 1800 V 150°C - type FF

UNIKA (Italy) - EN 50382-2 1800 V 25 FF 150°C - code



TECHNICAL DATA

Temperature rating up to and including 150°C

Very low temperatures resistance (-40°C)

Resistance to ozone, oils, acids and alkali

Enhanced abrasion and tear resistance and enhanced thermal aging for long term (beyond 20000h at 170°C) according to the TRENITALIA specification and principal OEMs requests

Bending radius: fixed ≥ 3 outer diameter, flexible ≥ 5 outer diameter

Range of approval:

According to table 2 (cross-section 1,5 ÷ 400 mm²) of EN 50382-2 for cables rated 1800V (see IMQ test certificate)

Item n°	Cross-section [mm ²]	Diameter [mm]	Cable mass [kg/km]
RAA01	1,5	6,8 ÷ 7,9	63
RAA02	2,5	7,2 ÷ 8,4	76
RAA03	4	7,7 ÷ 9,0	93
RAA04	6	8,2 ÷ 9,6	115
RAA05	10	9,4 ÷ 11,0	168
RAA06	16	10,5 ÷ 12,2	236
RAA07	25	12,3 ÷ 14,4	339
RAA08	35	13,6 ÷ 15,9	432
RAA09	50	15,0 ÷ 17,5	583
RAA10	70	16,8 ÷ 19,7	780
RAA11	95	19,0 ÷ 22,2	1039
RAA12	120	20,8 ÷ 24,3	1276
RAA13	150	22,3 ÷ 26,1	1539
RAA14	185	24,5 ÷ 28,6	1871
RAA15	240	27,1 ÷ 31,7	2417
RAA16	300	29,5 ÷ 34,6	2760
RAA17	400	33,2 ÷ 38,9	3620

CONSTRUCTION

Type: single core sheathed cable

Conductor: tinned copper conductor according to class 5 EN 60228

Screening separator: semiconductive black tape

Insulation: silicon rubber compound, type EI111 according to Standard EN 50382-1, colour white if not otherwise stated

Tape (optional): polyester or other non-hygroscopic tape

Sheath: silicon rubber compound, type EM107 according to Standard EN 50382-1, colour black if not otherwise stated

Marking: UNIKA (Italy) – EN 50382-2 1800V cross-section FF 150°C – WW/YYYY - traceability code

Fire safety: hazard level HL3 according to Standard EN 45545-2 for indoor cables (EL1A) and outdoor cables (EL1B)

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