

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

UNIKA (Italy) - EN 50382-2 1800 V 16 F 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 1 (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 without braid [mm]	Cable mass [kg/km]
RA801	1,5	6,3 ÷ 7,3	57
RA802	2,5	6,7 ÷ 7,8	69
RA803	4	7,2 ÷ 8,4	86
RA804	6	7,7 ÷ 9,0	107
RA805	10	8,5 ÷ 10,0	151
RA806	16	9,6 ÷ 11,2	219
RA807	25	10,9 ÷ 12,7	305
RA808	35	12,1 ÷ 14,1	394
RA809	50	13,5 ÷ 15,8	540
RA810	70	15,2 ÷ 17,8	725
RA811	95	17,0 ÷ 19,9	961
RA812	120	18,6 ÷ 21,7	1182
RA813	150	20,1 ÷ 23,5	1438
RA814	185	21,7 ÷ 25,4	1760
RA815	240	24,1 ÷ 28,2	2249
RA816	300	26,4 ÷ 30,9	2680
RA817	400	29,9 ÷ 34,9	3450

CONSTRUCTION

Type: single core unsheathed 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 black if not otherwise stated

Textile braid: available upon request

Marking: UNIKA (Italy) – EN 50382-2 1800V cross-section F 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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