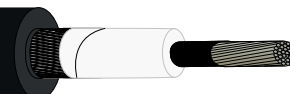


UNIRAIL HT – EN 50382-2 3600 V 150°C - type FFS

UNIKA (Italy) - EN 50382-2 3600 V 50 FFS 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:

In compliance with table 5 (cross-section $2,5 \div 400 \text{ mm}^2$) of EN 50382-2 for cables rated 3600V (see IMQ test certificate)

Item n°	Cross-section [mm ²]	Diameter [mm]	Cable mass [kg/km]
RAC05	16	12,8 ÷ 15,0	370
RAC06	25	14,7 ÷ 17,2	485
RAC07	35	15,9 ÷ 18,6	580
RAC08	50	17,5 ÷ 20,5	750
RAC09	70	19,2 ÷ 22,4	1010
RAC10	95	20,8 ÷ 24,3	1200
RAC11	120	22,4 ÷ 26,2	1485
RAC11H	120	26,5 ÷ 30,0	1620
RAC12	150	24,1 ÷ 28,2	1770
RAC13	185	26,4 ÷ 30,9	2160
RAC14	240	29,4 ÷ 34,4	2720

CONSTRUCTION

Type: single core screened cable with EMC performance

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

Screen: tinned copper wire braid with optional non-hygroscopic tape, minimum coverage 85%

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

Marking: UNIKA (Italy) – EN 50382-2 3600V cross-section FFS 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)

Add letter C after the item number to have spiral tinned copper wire instead of braid

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