

# UNIRAIL TW – EN 50306-2 300 V – type M

Single core cable

UNIKA (Italy) - EN 50306-2 300 V 1 M - code



## TECHNICAL DATA

Temperature rating up to and including 105°C

Very low temperatures resistance (-40°C)

Resistance to ozone, oils, acids and alkali

Bending radius: refer to EN 50343 table 16

### Range of approval:

According to table TW1 (cross-section 0,5 ÷ 2,5 mm<sup>2</sup>) of EN 50306-2 for cables rated 300V (see IMQ test certificate) and HITACHI specification 211NW50282B

Table TW1 - dimensional data

| Item n°              | Cross-section [mm <sup>2</sup> ] | Conductor n° wires x wire diameter [mm] | Diameter [mm] |
|----------------------|----------------------------------|-----------------------------------------|---------------|
| RM006 <sup>(1)</sup> | 0,34                             | 19x0,15                                 | 1,15÷1,31     |
| RM001                | 0,5                              | 19x0,18                                 | 1,15÷1,45     |
| RM002                | 0,75                             | 37x0,16                                 | 1,35÷1,65     |
| RM003                | 1                                | 37x0,18 <sup>(2)</sup>                  | 1,40÷1,80     |
| RM004                | 1,5                              | 37x0,23 <sup>(2)</sup>                  | 1,90÷2,30     |
| RM005                | 2,5                              | 37x0,30 <sup>(2)</sup>                  | 2,45÷2,85     |

Note (1): out of the scope of the standard

Note (2): conductors with 19 wires are allowed

## CONSTRUCTION

**Conductor:** tinned copper conductor according to table TW1

**Insulation:** double layer of special compound

**Marking:** UNIKA (Italy) – EN 50306-2 300V cross-section M – WW/YYYY - traceability code

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

Add the following letter after the item number for colours different from white

**G:** yellow/green

**Y:** grey

**B:** blue

**R:** red

**W:** brown

**K:** black

**V:** greengreen

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