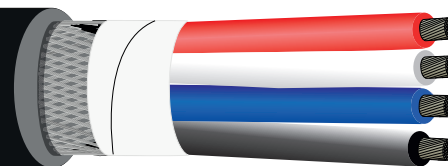


# UNIRAIL TW – EN 50306-4 300 V – type MMS (Table 3)

Multicore screened cables, standard wall sheathed

UNIKA (Italy) – EN 50306-4 300 V 4x2,5 MMS - code



## TECHNICAL DATA

Temperature rating up to and including 90°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 TW5 of EN 50306-4 for cables rated 300V (see IMQ test certificate) and HITACHI specification 211NW50283B. Further constructions are available upon request.

**Table TW5 – Multipair cables, individually screened and sheathed with an overall sheath - Dimensional data**

| Item n° | Cable type n° cores x cross-section [mm²] | Diameter exposed type [mm] | Diameter protected type [mm] | Item n° | Cable type n° cores x cross-section [mm²] | Diameter exposed type [mm] | Diameter protected type [mm] |
|---------|-------------------------------------------|----------------------------|------------------------------|---------|-------------------------------------------|----------------------------|------------------------------|
| RM301   | 2x0,5                                     | 5,5÷6,5                    | 4,1÷5,3                      | RM311   | 2x1                                       | 6,2÷7,2                    | 4,7÷5,9                      |
| RM302   | 3x0,5                                     | 5,7÷6,7                    | 4,3÷5,5                      | RM312   | 3x1                                       | 6,5÷7,5                    | 5,1÷6,2                      |
| RM303   | 4x0,5                                     | 6,1÷7,1                    | 4,7÷5,9                      | RM313   | 4x1                                       | 6,9÷7,9                    | 5,5÷6,7                      |
| RM342   | 5x0,5                                     | 6,2÷7,2                    | 5,1÷6,1                      | RM314   | 6x1                                       | 8,0÷9,0                    | 6,6÷7,9                      |
| RM304   | 6x0,5                                     | 6,9÷7,9                    | 5,5÷6,8                      | RM315   | 8x1                                       | 8,6÷9,8                    | 7,7÷9,0                      |
| RM305   | 8x0,5                                     | 7,5÷8,5                    | 6,0÷7,3                      | RM331   | 12x1                                      | 9,5 ÷ 10,7                 | 9,0 ÷ 10,2                   |
| RM324   | 10x0,5                                    | 7,7 ÷ 8,7                  | 7,2 ÷ 8,2                    | RM316   | 2x1,5                                     | 7,1÷8,1                    | 5,7÷6,9                      |
| RM339   | 12x0,5                                    | 8,2 ÷ 9,2                  | 7,5 ÷ 8,5                    | RM317   | 3x1,5                                     | 7,4÷8,4                    | 6,0÷7,2                      |
| RM306   | 2x0,75                                    | 5,9÷6,9                    | 4,5÷5,7                      | RM318   | 4x1,5                                     | 8,0÷9,0                    | 6,6÷7,8                      |
| RM307   | 3x0,75                                    | 6,2÷7,2                    | 4,7÷5,9                      | RM319   | 6x1,5                                     | 9,2÷10,4                   | 8,3÷9,6                      |
| RM308   | 4x0,75                                    | 6,5÷7,5                    | 5,2÷6,4                      | RM320   | 8x1,5                                     | 10,2÷11,4                  | 8,9÷10,4                     |
| RM309   | 6x0,75                                    | 7,5÷8,5                    | 6,1÷7,4                      | RM337_M | 10x1,5                                    | 10,9÷12,1                  | 10,0÷11,0                    |
| RM338   | 7x0,75                                    | 8,0÷9,0                    | 6,5÷7,5                      | RM340   | 30x1,5                                    | 16,0÷17,2                  | 15,0÷16,0                    |
| RM310   | 8x0,75                                    | 8,2÷9,2                    | 6,6÷7,9                      | RM321   | 2x2,5                                     | 8,3÷9,3                    | 7,3÷8,5                      |
| RM336   | 12x0,75                                   | 9,6÷10,6                   | 8,5÷9,5                      | RM322   | 3x2,5                                     | 8,6÷10,2                   | 7,7÷8,9                      |
| RM341   | 16x0,75                                   | 9,9÷10,9                   | 9,1÷10,1                     | RM323   | 4x2,5                                     | 9,4÷10,6                   | 8,4÷9,8                      |
| RM335   | 18x0,75                                   | 10,6 ÷ 11,8                | 9,8 ÷ 10,8                   |         |                                           |                            |                              |

Add letter **E** for exposed installations or **P** for protected installations at the end of the item number (or replace \_ with **E** or **P**)

Add letter **F** for fire resistant version

## CONSTRUCTION

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

**Insulation:** double layer of special compound

**Identification:** white, red, black, blue, brown, orange, grey, white/red (other identification methods may be agreed). Starting from 9 cores: numbered white cores

**Laying-up:** cores are twisted together in pair with optional non-hygroscopic tape

**Screen:** tinned copper wire braid

**Sheath:** cross-linked compound type EM104 according to EN 50306-1, colour black

**Laying-up:** pairs are twisted together with optional fillers and non-hygroscopic tape

**Sheath:** cross-linked compound type EM104 according to EN 50306-1

**Marking:** UNIKA (Italy) – EN 50306-4 300V “3n” (n°pairs)x(cross-section) MMS 90 – WW/YYYY - traceability code n: E for exposed installations or P for protected installations

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

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