



# 318-B, H05Z1Z1-F, 05Z1Z1-F 300/500V

EN 50525-3-11

Halogen-free thermoplastic insulated and sheathed flexible cords

## APPLICATIONS

In domestic premises, kitchens, offices; for household appliances, including in damp premises; for medium duties (eg. washing machines, spin dryers, and refrigerators).

Standard length cable packing

500 or 1000m on drums.

Other forms of packing and delivery are available on request



## CONSTRUCTION

|             |   |
|-------------|---|
| Conductors: | annealed copper, class 5 flexible conductor acc. to EN 60228    |
| Insulation: | thermoplastic halogen-free compound type T16 acc. to EN 50363-7 |
| Sheath:     | thermoplastic halogen-free compound type TM7 acc. to EN 50363-8 |

## CHARACTERISTICS

|  |                                      |   |
|--|--------------------------------------|---|
| Colour of sheath:                                  | white, black, grey                   |   |
| Core identification:                               | acc. to HD 308 S2                    |   |
|  | without a green-yellow core          | with a green-yellow core                        |
| 2-core:  | blue, brown                          | –   |
| 3-core:  | brown, black, grey                   | green-yellow, blue, brown                       |
| 4-core:  | blue, brown, black, grey             | green-yellow, brown, black, grey                |
| 5-core:  | blue, brown, black, grey, black      | green-yellow, blue, brown, black, grey          |
| 7 cores:   | all cores black with white numbering | green-yellow + cores black with white numbering |
| Maximum operating temperature:                     | +70°C                                |   |
| Lowest ambient temperature for fixed installation: | -40°C                                |   |

|  |  |
|--|--|
| Lowest installation temperature:             | -5°C   |
| Maximum short-circuit conductor temperature: | +150°C   |
| Minimum bending radius:                      | 7,5 x D, D – overall diameter                  |
| Test voltage:                                | 2000V  |
| Flame retardant:                             | EN 60332-1-2                                   |
| Smoke emission:                              | EN 61034-2                                     |
| Gases evolved during combustion:             | EN 50267-2-2 pH ≥ 4,3; conductivity ≤ 10 µS/mm |

## Technical and Electrical Characteristic

| Number and cross-sectional area of conductor | Maximum diameter of wires in conductor | Nominal thickness of insulation | Nominal thickness of sheath | Approximate overall diameter | Approximate net weight of cables | Maximum conductor resistance at temperature 20°C |
|--|--|---------------------------------|-----------------------------|------------------------------|----------------------------------|--|
| <b>n x mm<sup>2</sup></b>                    | <b>mm</b>                              | <b>mm</b>                       | <b>mm</b>                   | <b>mm</b>                    | <b>kg/km</b>                     | <b>Ω/km</b>                                      |
| 2x0,75                                       | 0,21                                   | 0,6                             | 0,8                         | 6,2                          | 54                               | 26,0   |
| 2x1  | 0,21                                   | 0,6                             | 0,8                         | 6,4                          | 60                               | 19,5   |
| 2x1,5  | 0,26                                   | 0,7                             | 0,8                         | 7,4                          | 82                               | 13,3   |
| 2x2,5  | 0,26                                   | 0,8                             | 1,0                         | 9,2                          | 128                              | 7,98   |
| 2x4  | 0,31                                   | 0,8                             | 1,1                         | 10,3                         | 173                              | 4,95   |
| 3x0,75                                       | 0,21                                   | 0,6                             | 0,8                         | 6,6                          | 64                               | 26,0   |
| 3x1  | 0,21                                   | 0,6                             | 0,8                         | 6,7                          | 72                               | 19,5   |
| 3x1,5  | 0,26                                   | 0,7                             | 0,9                         | 8,0                          | 103                              | 13,3   |
| 3x2,5  | 0,26                                   | 0,8                             | 1,1                         | 9,9                          | 160                              | 7,98   |
| 3x4  | 0,31                                   | 0,8                             | 1,2                         | 11,1                         | 217                              | 4,95   |
| 3x6*   | 0,31                                   | 0,8                             | 1,2                         | 12,4                         | 286                              | 3,3  |
| 4x0,75                                       | 0,21                                   | 0,6                             | 0,8                         | 7,2                          | 77                               | 26,0   |
| 4x1  | 0,21                                   | 0,6                             | 0,9                         | 7,6                          | 91                               | 19,5   |
| 4x1,5  | 0,26                                   | 0,7                             | 1,0                         | 9,0                          | 129                              | 13,3   |
| 4x2,5  | 0,26                                   | 0,8                             | 1,1                         | 10,8                         | 195                              | 7,98   |
| 4x4  | 0,31                                   | 0,8                             | 1,2                         | 12,2                         | 267                              | 4,95   |
| 4x6*   | 0,31                                   | 0,8                             | 1,3                         | 13,8                         | 365                              | 3,3  |

| Number and cross-sectional area of conductor | Maximum diameter of wires in conductor | Nominal thickness of insulation | Nominal thickness of sheath | Approximate overall diameter | Approximate net weight of cables | Maximum conductor resistance at temperature 20°C |
|--|--|---------------------------------|-----------------------------|------------------------------|----------------------------------|--|
| <b>n x mm<sup>2</sup></b>                    | <b>mm</b>                              | <b>mm</b>                       | <b>mm</b>                   | <b>mm</b>                    | <b>kg/km</b>                     | <b>Ω/km</b>                                      |
| 5x0,75                                       | 0,21                                   | 0,6                             | 0,9                         | 8,0                          | 97                               | 26,0   |
| 5x1  | 0,21                                   | 0,6                             | 0,9                         | 8,3                          | 111                              | 19,5   |
| 5x1,5  | 0,26                                   | 0,7                             | 1,1                         | 10,0                         | 162                              | 13,3   |
| 5x2,5  | 0,26                                   | 0,8                             | 1,2                         | 12,1                         | 244                              | 7,98   |
| 5x4  | 0,31                                   | 0,8                             | 1,4                         | 13,1                         | 340                              | 4,95   |
| 6x0,75*                                      | 0,21                                   | 0,6                             | 1,0                         | 8,9                          | 120                              | 26,0   |
| 6x1*   | 0,21                                   | 0,6                             | 1,0                         | 9,2                          | 137                              | 19,5   |
| 6x1,5*                                       | 0,26                                   | 0,7                             | 1,0                         | 10,7                         | 189                              | 13,3   |
| 7x0,75*                                      | 0,21                                   | 0,6                             | 1,0                         | 8,9                          | 125                              | 26,0   |
| 7x1*   | 0,21                                   | 0,6                             | 1,0                         | 9,2                          | 143                              | 19,5   |
| 7x1,5*                                       | 0,26                                   | 0,7                             | 1,2                         | 11,1                         | 209                              | 13,3   |

\*based on norm

The information contained in this document, including the tables and drawings, are provided for illustrative purposes only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE SA. The suitability of any product including properties, should be made by a qualified person; having already gained the appropriate permissions and documentation, to ensure compliance with any applicable law or regulation.