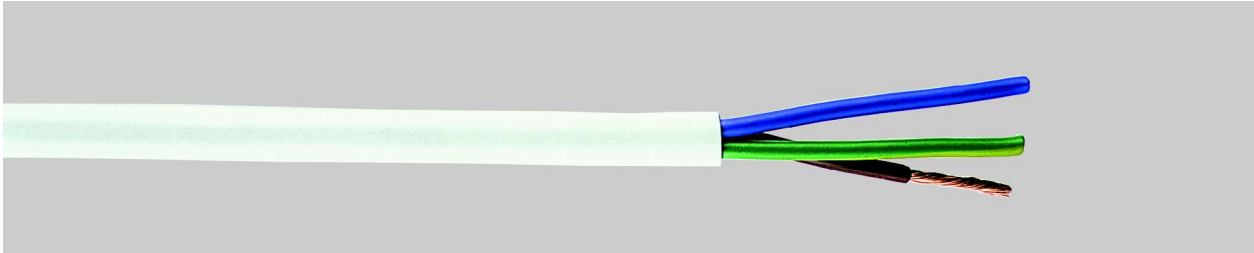




OMY 300/300 V, OMYžo 300/300 V, OMYp 300/300 V i OMYpžo 300/300 V

ELECTRICAL HOUSING CABLES



APPLICATIONS

OMY 300/300 V, OMYžo 300/300 V, OMYp 300/300 V i OMYpžo 300/300 V are cables intended for indoor electrical connection of movable and portable domestic receivers of average power input.

CONSTRUCTION OMY 300/300 V and OMYžo 300/300 V

- flexible, multiwire conductors, stranded of bare annealed copper wires meeting requirements of class 5 per PN-88/E-90160,
- PVC insulation
- insulated conductors twisted into a cable core,
- PVC cable sheath.

CONSTRUCTION OMYp 300/300 V and OMYpžo 300/300 V

- flexible, multiwire conductors, stranded of bare annealed copper wires meeting requirements of class 5 per PN-88/E-90160 klasa 5,
- PVC insulation,
- insulated conductors laid parallel into a cable core,
- PVC cable sheath.

COLOURS OF INSULATED CONDUCTORS

| Number of conductors | with drain wire | without drain wire |
|----------------------|---|---|
| 2 | - | two different colours except green-yellow |
| 3 | green-yellow, brown, blue | black, blue, brown |
| 4 | green -yellow, black, blue, brown | black, blue, brown, brown |
| 5 | green-yellow, black, blue, brown, black | black, blue, brown, black, black |

CHARACTERISTICS

DC conductor resistance at 20°C, maximum

- | | |
|----------------------------------|-------------|
| - conductor 0,5 mm ² | : 39,0 Ω/km |
| - conductor 0,75 mm ² | : 26,0 Ω/km |
| - conductor 1,0 mm ² | : 19,5 Ω/km |
| - conductor 1,5 mm ² | : 13,3 Ω/km |

Operating voltage U_0/U

: 300/300 V

Voltage test (50 Hz)

: 2000 V

Insulation resistance at 70 ± 2°C - min.

| | |
|----------------------------------|--------------|
| - conductor 0,5 mm ² | : 0,012 MΩkm |
| - conductor 0,75 mm ² | : 0,010 MΩkm |
| - conductor 1,0 mm ² | : 0,009 MΩkm |
| - conductor 1,5 mm ² | : 0,009 MΩkm |

Operating temperature range:

| | |
|-------------------------|----------------------|
| - for fixed equipment | : from -30 to +80 °C |
| - for movable equipment | : from -5 to +70 °C |

Minimum bending radius

: 15 x cable diameter

Cable combustibility

: flame retardant

Combustibility tests

: - PN-89/E-04160/55 method 1

Reference standards

: - PN-91/E-90103

: - PN-91/E-90100

| Product No | Type | Number of conductors x conductor cross-section [number x mm ²] | Cable outer diameter (appr.) [mm] | Copper index [kg/km] | Cable weight (appr.) [kg/km] |
|------------|--------|---|--------------------------------------|-------------------------|---------------------------------|
| 4.1.006 | OMY | 2 x 0,5 | 5,1 | 9,6 | 39,5 |
| 4.1.051 | OMY | 3 x 0,5 | 5,4 | 14,4 | 47,4 |
| 4.1.014 | OMY | 4 x 0,5 | 5,9 | 19,2 | 54,9 |
| 4.1.007 | OMY | 2 x 0,75 | 5,6 | 14,4 | 47,3 |
| 4.1.015 | OMY | 4 x 0,75 | 6,2 | 28,8 | 68,9 |
| 4.1.008 | OMY | 2 x 1,0 | 5,8 | 19,2 | 56,5 |
| 4.1.009 | OMY | 2 x 1,5 | 7,2 | 28,8 | 81,2 |
| 4.A.010 | OMYżo | 3 x 0,5 | 5,4 | 14,4 | 47,4 |
| 4.1.016 | OMYżo | 5 x 0,5 | 6,3 | 24,0 | 60,5 |
| 4.A.011 | OMYżo | 3 x 0,75 | 5,9 | 21,6 | 57,3 |
| 4.1.017 | OMYżo | 5 x 0,75 | 7,5 | 36,0 | 83,8 |
| 4.1.012 | OMYżo | 3 x 1,0 | 6,2 | 28,8 | 67,4 |
| 4.1.013 | OMYżo | 3 x 1,5 | 7,6 | 43,2 | 100,1 |
| 4.1.018 | OMYp | 2x0,5 | 3,15/5,1 | 9,6 | 29,7 |
| 4.1.019 | OMYp | 2x0,75 | 3,4/5,6 | 14,4 | 37,4 |
| 4.1.020 | OMYp | 2x1,0 | 3,5/5,8 | 19,2 | 43,4 |
| 4.1.021 | OMYp | 2x1,5 | 4,4/7,4 | 28,8 | 62,9 |
| 4.1.022 | OMYpżo | 3x0,5 | 3,2/7,0 | 14,4 | 41,6 |

Other cross-sections and conductor counts available on request.



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