

Fixedly installed, buried PVC cable with concentric, wavelike copper conductor and cross-conductive spiral

Product Description

Concentric conductor above all as PE; Easier connection thanks to the wave form of the concentric copper conductor



Application range

- As a fixed installation power and control cable for the following applications:
- For indoor- and outdoor use
- Direct burial
- In concrete
- In water

Benefits

- Concentric conductor above all as PE
- Easier connection thanks to the wave form of the concentric copper conductor

Design

- Conductor of bare copper wires
- Core insulation: Based on PVC
- Filling compound over the core assembly
- Concentric, wavelike, outside conductor of bare copper strands with inductance-reducing, cross-conductive copper bond counter spiral
- PVC based outer sheath

Product features

- Power rating acc. to HD 603 part 3G for outdoor laying and as per VDE 0298 part 4 (see also appendix T12) for laying in and on buildings



Technical Data

Core identification code

Up to 5 cores: according to VDE 0293-308 (appendix T9)

Approvals

VDE 0276 Part 603 (for 1-5 cores)

Conductor stranding

Single or multi-wire

Minimum bending radius

Fixed installation: 12 x outer diameter

Rated voltage

U0/U: 0,6/1,0 kV

Test voltage

4000 V

Range of temperature

For installation: +5°C up to +50°C

Fixed installation: -40°C up to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
15505003	2 x 10re/10	19.0	312.0	610
15505263	3 x 10re/10	20.0	408.0	775
15505403	4 x 10re/10	21.0	504.0	897
15505273	3 x 16re/16	22.0	643.0	1066
15505413	4 x 16re/16	24.0	796.0	1250
15505283	3 x 25rm/25	26.0	1003.0	1584
15505423	4 x 25rm/16	28.0	1142.0	1822
15505303	3 x 35sm/35	26.0	1402.0	1710
15505433	4 x 35sm/16	29.0	1526.0	2146
15505163	3 x 50sm/50	30.0	2000.0	2368
15505443	4 x 50sm/25	33.0	2203.0	3031
15505453	4 x 70sm/35	38.0	3082.0	4056
15505143	3 x 95sm/50	38.0	3296.0	4256
15505323	3 x 95sm/95	39.0	3791.0	4600
15505463	4 x 95sm/50	43.0	4208.0	5364
15505153	3 x 120sm/70	41.0	4236.0	5314
15505473	4 x 120sm/70	46.0	5388.0	6748
15505353	3 x 150sm/70	45.0	5100.0	6344
15505483	4 x 150sm/70	51.0	6540.0	8159
15505173	3 x 185sm/95	50.0	6383.0	8054

Footnote:



All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: Excluding Copper; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.