

Product Description



Application range

- RE-2Y(ST)Yv is intended for use wherever modern process computers have to process large volumes of data, e.g. high capacity computer systems in waste incineration plants or sewage treatment plants.
- Cables are suitable for use in dry and damp rooms, and the black version can also be used outdoors or for direct burial.

Design

- Bare stranded copper conductor, PE core insulation, cores twisted into pairs, pairs in layers plus 1 core for communication, core colour orange
- Foil wrapping, aluminium laminated plastic foil static screen with tin plated drain wire
- Reinforced PVC outer sheath
- In case of single-pair or 3-core versions the communication core is not applicable

Product features

- Computer cable with reinforced outer sheath
- Colour: black (based on RAL 9005) or blue for intrinsically safe systems (based on RAL 5015)
- Flame retardant according to IEC 60332-1-2



Technical Data

Core identification code

a-core: black b-core: white with consecutive numbers: 1-1, 2-2, 3-3, 4-4 etc.

Three-way version: black, white, red

Mutual capacitance

(guideline values at 800 Hz): C/C: 0.5 mm²: max 75 nF/km

(guideline values at 800 Hz): C/C: 1.3 mm²: max. 100 nF/km

Peak working voltage

(not for power applications) Max. 300 V

Insulation resistance

> 5 GOhm x km

Conductor resistance

0.5 mm²: max. 39.2 Ohm/km

1.3 mm²: max. 14.3 ohms/km

Minimum bending radius

Fixed installation: 7.5 x cable diameter

Short-range crosstalk attenuation

At 60 kHz min. 0.88 dB/km

Test voltage

C/C: 2000 V

C/S: 1000 V

Range of temperature

Flexible application: -5°C up to +50°C

Fixed installation: -40°C up to +70°C

Characteristic impedance

Approx. 100 Ohm

Article List

Part number	Number of pairs and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
RE-2Y(ST)Yv 0,5 mm ² blue				
0032400	1 x 2 x 0,5	8.2	15.0	74
0032401	2 x 2 x 0,5	10.2	30.0	117
0032402	4 x 2 x 0,5	11.0	50.0	140
0032403	8 x 2 x 0,5	13.8	90.0	215
0032405	12 x 2 x 0,5	15.7	130.0	280
0032407	20 x 2 x 0,5	18.5	210.0	385
0.5 mm ² black				
0032411	1 x 2 x 0,5	8.2	15.0	74
0032412	2 x 2 x 0,5	10.2	30.0	117
0032413	4 x 2 x 0,5	11.0	50.0	140
0032414	8 x 2 x 0,5	13.8	90.0	215
0032415	10 x 2 x 0,5	14.6	110.0	220
0032417	16 x 2 x 0,5	17.5	170.0	352
0032418	20 x 2 x 0,5	18.5	210.0	385



0032420	36 x 2 x 0,5	24.0	370.0	656
0032421	48 x 2 x 0,5	27.4	490.0	854
1.3 mm ² blue				
0032422	1 x 2 x 1,3	9.4	31.0	102
0032423	2 x 2 x 1,3	11.7	62.0	161
0032424	4 x 2 x 1,3	13.5	114.0	230
0032425	8 x 2 x 1,3	17.1	218.0	377
0032426	12 x 2 x 1,3	19.3	322.0	520
0032427	16 x 2 x 1,3	22.0	426.0	656
0032428	24 x 2 x 1,3	26.5	684.0	952
0032429	1 x 3 x 1,3	9.7	44.0	116
1.3 mm ² black				
0032430	1 x 2 x 1,3	9.4	31.0	102
0032431	2 x 2 x 1,3	11.7	62.0	161
0032432	4 x 2 x 1,3	13.5	114.0	230
0032433	8 x 2 x 1,3	17.1	218.0	377
0032434	12 x 2 x 1,3	19.3	322.0	515
0032435	16 x 2 x 1,3	22.0	426.0	656
0032436	24 x 2 x 1,3	26.5	684.0	995

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: EUR 150 / 100 kg; 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 ≤ 30 kg and ≤ 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.