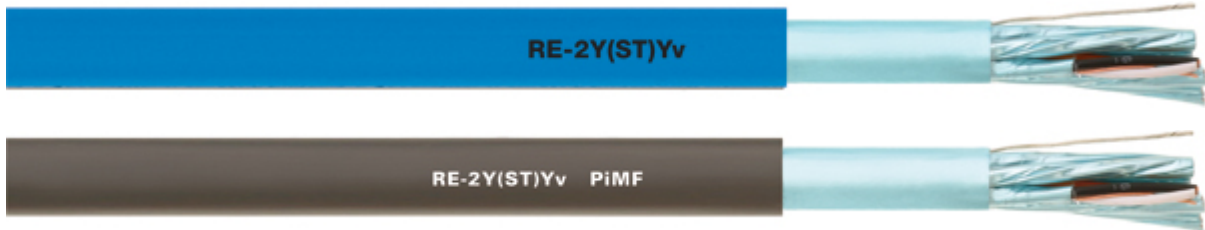


### Product Description



### Application range

- RE-2Y(ST)Yv PiMF 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 screened by aluminium laminated plastic foil with plain copper drain wire, PiMF labelling using numbered foil, pairs in layers and 1 core for communication, core colour orange
- Aluminium laminated plastic foil static screen with tin plated drain wire
- Reinforced PVC outer sheath

### Product features

- Computer cable with screened pairs and 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.

### Mutual capacitance

(at 800 Hz max): C/C: 0.5 mm<sup>2</sup>: 75 nF/km

(at 800 Hz max): C/C: 1.3 mm<sup>2</sup>: 100 nF/km

### Peak working voltage

(not for power applications) Max. 300 V

### Inductivity

Max. 0.75 mH/km

### Insulation resistance

> 5 GOhm x km

### Conductor resistance

0.5 mm<sup>2</sup>: max. 39.2 Ohm/km

1.3 mm<sup>2</sup>: max. 14.2 ohms/km

### Minimum bending radius

Fixed installation: 7.5 x cable diameter

Short-range crosstalk attenuation At 60 kHz min. 1.02 dB/km

### Short-range crosstalk attenuation

At 60 kHz min. 1.02 dB/km

### Test voltage

Core/core: 2000 V

Core/screen: 600 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 <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
RE-2Y(ST)Yv PiMF 0,5 mm <sup>2</sup> blue				
0032438	2 x 2 x 0,5	12.0	35.0	128
0032439	4 x 2 x 0,5	12.7	60.0	170
0032441	10 x 2 x 0,5	15.4	136.0	246
0032442	12 x 2 x 0,5	17.6	161.0	351
0032443	16 x 2 x 0,5	19.8	212.0	430
0032444	20 x 2 x 0,5	21.2	262.0	496
0032446	36 x 2 x 0,5	26.9	465.0	850
0.5 mm <sup>2</sup> black				
0032448	2 x 2 x 0,5	12.0	35.0	128
0032449	4 x 2 x 0,5	12.7	60.0	170
0032450	8 x 2 x 0,5	14.9	121.0	261
0032451	10 x 2 x 0,5	15.4	136.0	246
0032452	12 x 2 x 0,5	17.6	161.0	351
0032453	16 x 2 x 0,5	19.8	212.0	430
0032456	36 x 2 x 0,5	26.9	465.0	850



1.3 mm <sup>2</sup> blue				
0032458	2 x 2 x 1,3	12.7	68.0	184
1.3 mm <sup>2</sup> black				
0032464	2 x 2 x 1,3	12.7	68.0	184
0032465	4 x 2 x 1,3	14.0	124.0	269
0032466	8 x 2 x 1,3	18.8	239.0	442
0032467	12 x 2 x 1,3	21.4	353.0	593
0032469	24 x 2 x 1,3	29.4	697.0	1104

**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](http://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.