

## A-2YF(L)2Y...ST III BD Outdoor Cable

A-2YF(L)2Y...ST III BD - Outdoor telecommunication cable VDE 0816, longitudinal and lateral watertightness, use as directly and indirectly buried/ burial cable



Suitable for outdoor use



Interference signals



UV-resistant

### Application range

External cables for telecommunication and data processing systems

Do not install cables that are meant to be placed in ducts or for direct burial in areas exposed to fire hazards

### Product features

Outer sheath colour: black (RAL 9005)

UV-resistant and laterally watertight

Filled version (A-2YF(L)2Y...ST III BD) is additionally longitudinal watertight

### Norm references / Approvals

In accordance with DIN VDE 0816

### Product Make-up

Similar to A-2Y(L)2Y, but with petroleum-jelly filling, laminated sheath made of aluminium-coated plastic tape, and black PE outer sheath

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000829

ETIM 5.0 Class-Description: Signal-/telecommunications cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000829

Last Update (05.06.2023)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## A-2YF(L)2Y...ST III BD Outdoor Cable

|                                |  |
|--------------------------------|--|
|                                | ETIM 6.0 Class-Description: Signal-/telecommunications cable               |
| Core identification code:      | According to VDE 0816,<br>refer to Appendix T10                            |
| Mutual capacitance:            | At 800 Hz: max. 52 nF/km   |
| Coupling:                      | K1: 98 % <400 pF/300 m<br>K9-12: 98 % < 100 pF/300 m                       |
| Conductor cross-section in:    | 0.6 mm: 0.28 mm <sup>2</sup><br>0.8 mm: 0.50 mm <sup>2</sup>               |
| Cable attenuation/attenuation: | At 800 Hz 0.6 mm: approx. 1.0 dB/km<br>At 800 Hz 0.8 mm: approx. 0.8 dB/km |
| Minimum bending radius:        | 10 x outer diameter  |
| Test voltage:                  | Core/core: 500 V<br>Core/screen: 2000 V                                    |
| Loop resistance:               | 0.6 mm: 130 ohm/km<br>0.8 mm: 73.2 ohm/km                                  |
| Temperature range:             | During installation: -20 °C to +50 °C<br>After installation: ≤ +70 °C      |

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

\* Trade product, no Lapp product

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

**A-2YF(L)2Y...ST III BD Outdoor Cable**

| Article number                                 | Number of double cores | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|--|------------------------|---------------------|----------------------|----------------|
| A-2YF(L)2Y...ST III BD copper conductor 0.6 mm |                        |                     |                      |                |
| 1591028  | 2                      | 8.3                 | 11                   | 67             |
| 1591029  | 4                      | 10.4                | 23                   | 104            |
| 1591030  | 6                      | 11                  | 34                   | 130            |
| 1591031  | 10                     | 12.5                | 57                   | 180            |
| 1591032  | 20                     | 16                  | 113                  | 300            |
| 1591033  | 30                     | 19                  | 170                  | 420            |
| 1591035  | 50                     | 22.3                | 283                  | 620            |
| 1591037  | 100                    | 30.5                | 565                  | 1225           |
| A-2YF(L)2Y...ST III BD copper conductor 0.8 mm |                        |                     |                      |                |
| 1591217  | 2                      | 8.8                 | 20                   | 83             |
| 1591218  | 4                      | 11.2                | 40                   | 134            |
| 1591221  | 6                      | 12                  | 60                   | 180            |
| 1591222  | 10                     | 14                  | 101                  | 250            |
| 1591223  | 20                     | 19.1                | 201                  | 460            |
| 1591224  | 30                     | 22                  | 302                  | 630            |
| 1591225  | 40                     | 24                  | 402                  | 800            |
| 1591226  | 50                     | 26                  | 503                  | 975            |
| 1591228  | 100                    | 36                  | 1005                 | 1900           |

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