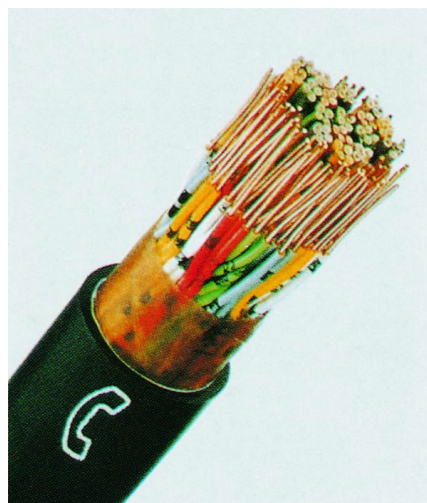


## A-2Y(L)2Y St III Bd

## Plastic Insulated Telecommunication Cable for Local Networks

according to DIN VDE 0816



### Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in bundles, one layer of plastic foil, static screen of plastic-laminated aluminium tape, polyethylene outer sheath, black.

### Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

### Temperature range

- 20°C till + 70°C

### Electrical properties at 20°C

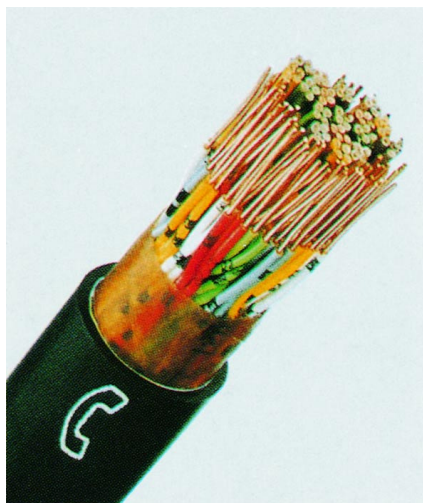
|                              |      | 0,6         | 0,8         |
|------------------------------|------|-------------|-------------|
| Conductor loop resistance    | max. | 130 Ohm/km  | 73,2 Ohm/km |
| Insulation resistance        | min. | 5 GOhm x km | 5 GOhm x km |
| Operating capacity at 800 Hz | max. | 52 nF/km    | 55 nF/km    |

| Number of pairs and<br>nominal conductor<br>diameter mm | Price<br>EUR / km | Copper<br>figure<br>kg / km | Thickness of<br>the outer sheath<br>ca. mm | Overall<br>diameter<br>ca. mm | Weight<br>kg / km |
|---------------------------------------------------------|-------------------|-----------------------------|--------------------------------------------|-------------------------------|-------------------|
| <b>A-2Y(L)2Y 225 V</b>                                  |                   |                             |                                            |                               |                   |
| 2 x 2 x 0,6                                             | 1.391,30          | 13                          | 1,8                                        | 9                             | 80                |
| 6 x 2 x 0,6                                             | 2.067,40          | 36                          | 1,8                                        | 13                            | 140               |
| 10 x 2 x 0,6                                            | 2.593,30          | 59                          | 1,8                                        | 14                            | 190               |
| 20 x 2 x 0,6                                            | 3.891,40          | 115                         | 1,8                                        | 17                            | 310               |
| 30 x 2 x 0,6                                            | 4.907,20          | 172                         | 1,8                                        | 20                            | 430               |
| 40 x 2 x 0,6                                            | 5.901,80          | 228                         | 1,8                                        | 22                            | 545               |
| 50 x 2 x 0,6                                            | 6.788,30          | 285                         | 1,8                                        | 24                            | 660               |
| 70 x 2 x 0,6                                            | 8.618,40          | 398                         | 2,0                                        | 27                            | 895               |
| 100 x 2 x 0,6                                           | 11.356,00         | 568                         | 2,0                                        | 31                            | 1225              |
| 150 x 2 x 0,6                                           | 15.716,20         | 852                         | 2,2                                        | 37                            | 1780              |
| 200 x 2 x 0,6                                           | 20.217,70         | 1135                        | 2,2                                        | 42                            | 2315              |
| 2 x 2 x 0,8                                             | 1.748,80          | 22                          | 1,8                                        | 10                            | 100               |
| 6 x 2 x 0,8                                             | 2.547,90          | 62                          | 1,8                                        | 14                            | 195               |
| 10 x 2 x 0,8                                            | 3.416,70          | 103                         | 1,8                                        | 16                            | 275               |
| 20 x 2 x 0,8                                            | 5.141,60          | 203                         | 1,8                                        | 20                            | 475               |
| 30 x 2 x 0,8                                            | 6.650,10          | 304                         | 1,8                                        | 23                            | 665               |
| 40 x 2 x 0,8                                            | 8.008,40          | 404                         | 2,0                                        | 27                            | 860               |
| 50 x 2 x 0,8                                            | 9.501,80          | 505                         | 2,0                                        | 29                            | 1050              |
| 70 x 2 x 0,8                                            | 12.074,10         | 706                         | 2,0                                        | 33                            | 1420              |
| 100 x 2 x 0,8                                           | 15.956,70         | 1008                        | 2,2                                        | 39                            | 1985              |
| 150 x 2 x 0,8                                           | 22.219,10         | 1512                        | 2,6                                        | 47                            | 2935              |
| 200 x 2 x 0,8                                           | 29.052,40         | 2015                        | 2,6                                        | 53                            | 3825              |

## A-2YF(L)2Y St III Bd

## Plastic Insulated Telecommunication Cable for Local Networks, transversely and longitudinally water-proof

according to DIN VDE 0816



### Construction

Solid bare copper conductors (diameter 0.6 mm or 0.8 mm), core insulation of polyethylene, cores are stranded to star quads and the quads are stranded in bundles, the interstices of the cable are continuously filled with jelly, one layer of plastic foil, static screen of plastic-laminated aluminium tape, polyethylene outer sheath, black.

### Application

They are suitable for the installation into the earth, in conduits, cable ducts and are used as network cables in industrial and operational plants, mainly in low-frequency installations.

### Temperature range

- 20°C till + 70°C

### Electrical properties at 20°C

|                              |      | 0,6           | 0,8           |
|------------------------------|------|---------------|---------------|
| Conductor loop resistance    | max. | 130 Ohm/km    | 73,2 Ohm/km   |
| Insulation resistance        | min. | 1,5 GOhm x km | 1,5 GOhm x km |
| Operating capacity at 800 Hz | max. | 52 nF/km      | 55 nF/km      |

| Number of pairs and<br>nominal conductor<br>diameter mm | Price<br>EUR / km | Copper<br>figure<br>kg / km | Thickness of<br>the outer sheath<br>ca. mm | Overall<br>diameter<br>ca. mm | Weight<br>kg / km |
|---------------------------------------------------------|-------------------|-----------------------------|--------------------------------------------|-------------------------------|-------------------|
| <b>A-2YF(L)2Y 225 V</b>                                 |                   |                             |                                            |                               |                   |
| 2 x 2 x 0,6                                             | 1.682,90          | 13                          | 1,8                                        | 9                             | 80                |
| 6 x 2 x 0,6                                             | 2.486,70          | 36                          | 1,8                                        | 13                            | 140               |
| 10 x 2 x 0,6                                            | 3.173,36          | 59                          | 1,8                                        | 14                            | 190               |
| 20 x 2 x 0,6                                            | 4.649,87          | 115                         | 1,8                                        | 17                            | 310               |
| 30 x 2 x 0,6                                            | 6.010,68          | 172                         | 1,8                                        | 20                            | 430               |
| 40 x 2 x 0,6                                            | 7.159,00          | 228                         | 1,8                                        | 22                            | 545               |
| 50 x 2 x 0,6                                            | 8.289,99          | 285                         | 1,8                                        | 24                            | 660               |
| 70 x 2 x 0,6                                            | 10.609,61         | 398                         | 2,0                                        | 27                            | 895               |
| 100 x 2 x 0,6                                           | 14.184,34         | 568                         | 2,0                                        | 31                            | 1225              |
| 150 x 2 x 0,6                                           | 20.725,90         | 852                         | 2,2                                        | 37                            | 1780              |
| 200 x 2 x 0,6                                           | 26.311,50         | 1135                        | 2,2                                        | 42                            | 2315              |
| 2 x 2 x 0,8                                             | 2.088,50          | 22                          | 1,8                                        | 10                            | 100               |
| 6 x 2 x 0,8                                             | 3.072,78          | 62                          | 1,8                                        | 14                            | 195               |
| 10 x 2 x 0,8                                            | <b>4.111,14</b>   | 103                         | 1,8                                        | 16                            | 275               |
| 20 x 2 x 0,8                                            | <b>6.342,36</b>   | 203                         | 1,8                                        | 20                            | 475               |
| 30 x 2 x 0,8                                            | 8.214,72          | 304                         | 1,8                                        | 23                            | 665               |
| 40 x 2 x 0,8                                            | 10.293,88         | 404                         | 2,0                                        | 27                            | 860               |
| 50 x 2 x 0,8                                            | 11.899,15         | 505                         | 2,0                                        | 29                            | 1050              |
| 70 x 2 x 0,8                                            | 15.417,83         | 706                         | 2,0                                        | 33                            | 1420              |
| 100 x 2 x 0,8                                           | 20.673,94         | 1008                        | 2,2                                        | 39                            | 1985              |
| 150 x 2 x 0,8                                           | 30.389,80         | 1512                        | 2,6                                        | 47                            | 2935              |
| 200 x 2 x 0,8                                           | 38.753,70         | 2015                        | 2,6                                        | 53                            | 3825              |
| 250 x 2 x 0,8                                           | 47.699,20         | 2520                        | 2,6                                        | 59                            | 4850              |