



High Performance



Shielded cables for low frequency data transmission with excellent quality/price ratio. Suitable for use in electrical measurement, control and regulation circuits. High reliability, external sheath in PVC or PUR, insulation in special polypropylene and taping in non-woven fabric tape. Designed for use in energy chains with cycles from 5 (DP version) to 10 million (HP version). Tinned copper shielding with optical coverage  $\geq 85\%$



### CONSTRUCTION FEATURES

|              |                                          |
|--------------|------------------------------------------|
| Conductor    | Extra Flexible Bare Copper Class 6       |
| Insulation   | Special Polypropylene                    |
| Colour Code  | DIN 47100                                |
| Layup        | Levels divided by Non-Woven Tape         |
| Shield       | Tinned copper Wire Braid O.C $\geq 85\%$ |
| Separator    | Easy strip away tape                     |
| Outer Sheath | <b>PUR</b>                               |
| Colour       | Grey / RAL 7001                          |

### PRODUCT'S FEATURES

|                                                                                   |                                                                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  | <b>Operating Voltage</b><br>300V                                                                       |
|  | <b>Temperature</b><br>static -50 °C / +90 °C<br>dynamic -40 °C / +90 °C                                |
|  | <b>Dielectric Strength</b><br>1.5 kV acc.to EN 50395 Part 6 - 7                                        |
|  | <b>Insulation Resistance</b><br>$\geq 2500 \text{ M}\Omega \times \text{km}$<br>acc.to EN 50395 Part 8 |
|  | <b>Electrical Resistance</b><br>IEC 60228 Cl.6<br>EN 50395 Part. 5                                     |

### MECHANICAL FEATURES

|                                                                                      |                                                  |
|--------------------------------------------------------------------------------------|--------------------------------------------------|
|   | <b>Speed</b><br>600 m/min                        |
|   | <b>Bending Radius</b><br>6.5 x $\varnothing$     |
|   | <b>Acceleration</b><br>60 m/sec <sup>2</sup>     |
|   | <b>Cycles</b><br>10.000.000                      |
|   | <b>Torsion</b><br>$\pm 30^\circ/1000 \text{ mm}$ |
|  | <b>Pulling</b><br>$\leq 20 \text{ N/mm}^2$       |

| Eurocabos Code | MotioCables Code | Formation | Outer Diameter | Copper Weight | Weight approx. kg/km |
|----------------|------------------|-----------|----------------|---------------|----------------------|
| EUR-314-0900   | LDS26X02UP-G     | (2x0,14)  | 4.1            | 10            | 32                   |
| EUR-314-0901   | LDS26X03UP-G     | (3x0,14)  | 4.2            | 11            | 35                   |
| EUR-314-0902   | LDS26X04UP-G     | (4x0,14)  | 4.5            | 13            | 40                   |
| EUR-314-0903   | LDS26X05UP-G     | (5x0,14)  | 4.8            | 16            | 45                   |
| EUR-314-0905   | LDS26X07UP-G     | (7x0,14)  | 5.1            | 19            | 66                   |
| EUR-314-0906   | LDS26X08UP-G     | (8x0,14)  | 5.4            | 21            | 75                   |
| EUR-314-0907   | LDS26X10UP-G     | (10x0,14) | 6.1            | 27            | 86                   |
| EUR-314-0908   | LDS26X12UP-G     | (12x0,14) | 6.3            | 30            | 94                   |
| EUR-314-0909   | LDS26X14UP-G     | (14x0,14) | 6.7            | 33            | 102                  |
| EUR-314-0911   | LDS26X18UP-G     | (18x0,14) | 7.2            | 41            | 118                  |
| EUR-314-0915   | LDS26X25UP-G     | (25x0,14) | 8.5            | 54            | 156                  |
|                |                  |           |                |               |                      |
| EUR-314-0930   | LDS24X02UP-G     | (2x0,25)  | 4.6            | 12            | 38                   |
| EUR-314-0931   | LDS24X03UP-G     | (3x0,25)  | 4.8            | 15            | 44                   |
| EUR-314-0932   | LDS24X04UP-G     | (4x0,25)  | 5.0            | 18            | 51                   |
| EUR-314-0933   | LDS24X05UP-G     | (5x0,25)  | 5.3            | 21            | 68                   |
| EUR-314-0935   | LDS24X07UP-G     | (7x0,25)  | 6.0            | 27            | 82                   |
| EUR-314-0936   | LDS24X08UP-G     | (8x0,25)  | 6.4            | 30            | 94                   |
| EUR-314-0937   | LDS24X10UP-G     | (10x0,25) | 6.7            | 43            | 110                  |
| EUR-314-0938   | LDS24X12UP-G     | (12x0,25) | 7.3            | 45            | 124                  |
| EUR-314-0939   | LDS24X14UP-G     | (14x0,25) | 7.5            | 49            | 135                  |
| EUR-314-0941   | LDS24X18UP-G     | (18x0,25) | 8.2            | 64            | 160                  |
| EUR-314-0946   | LDS24X25UP-G     | (25x0,25) | 9.4            | 88            | 211                  |
|                |                  |           |                |               |                      |
| EUR-314-0962   | LDS22X02UP-G     | (2x0,34)  | 5.1            | 16            | 45                   |
| EUR-314-0963   | LDS22X03UP-G     | (3x0,34)  | 5.3            | 19            | 60                   |
| EUR-314-0964   | LDS22X04UP-G     | (4x0,34)  | 5.6            | 24            | 76                   |
| EUR-314-0965   | LDS22X05UP-G     | (5x0,34)  | 6.0            | 28            | 82                   |
| EUR-314-0967   | LDS22X07UP-G     | (7x0,34)  | 6.9            | 38            | 110                  |
| EUR-314-0968   | LDS22X08UP-G     | (8x0,34)  | 7.3            | 42            | 125                  |
| EUR-314-0969   | LDS22X10UP-G     | (10x0,34) | 7.7            | 51            | 148                  |
| EUR-314-0970   | LDS22X12UP-G     | (12x0,34) | 8.3            | 59            | 166                  |
| EUR-314-0971   | LDS22X14UP-G     | (14x0,34) | 8.6            | 72            | 185                  |
| EUR-314-0973   | LDS22X18UP-G     | (18x0,34) | 9.4            | 85            | 216                  |
| EUR-314-0978   | LDS22X25UP-G     | (25x0,34) | 10.9           | 122           | 313                  |