



USE OF CABLE

power, control and connecting cable for drive systems with frequency converter technology, for fixed laying and casually movement without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms. Outdoor use (black colour), but no laying underground.



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- max. perm. current carrying capacity at 30 ° C ambient temperature.
- black version with UV-resistant outer sheath
- enables trouble-free operation of frequency converters through optimum EMC compliant shielding

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- Special versions, other dimensions, cross-sections, core and jacket colours are manufactured on request.

PRODUCT INFORMATION

|                              |                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Conductor material:          | Bare copper strand                                                                                                       |
| Conductor class:             | Acc. to IEC 60228 cl. 5                                                                                                  |
| Core insulation:             | PE                                                                                                                       |
| Core identification:         | Acc. to DIN VDE 0293-308 coloured cores with GNYE                                                                        |
| Stranding:                   | Stranded in layers                                                                                                       |
| Shield3:                     | Alu-lamin. polyester foil, metal side outside, cover. 100% under copper braid tinned                                     |
| Outer sheath:                | PVC                                                                                                                      |
| Sheath colour:               | Transparent, K-version: black                                                                                            |
| Rated voltage:               | Uo/U 0,6/1 kV - highest permissible operating voltage Single phase and three-phase: 700/1200 V, DC operation: 900/1800 V |
| Testing voltage:             | 4 kV                                                                                                                     |
| Conductor resistance:        | Acc. to IEC 60228 cl. 5                                                                                                  |
| Insulation resistance:       | Min. 20 MΩ x km                                                                                                          |
| Current-carrying-capacity:   | Look at the table on the right side                                                                                      |
| Capacity:                    | Look at the table on the right side                                                                                      |
| Min. bending radius fixed:   | Up to 12 mm Ø: 5 x d; up to 20 mm Ø: 7,5 x d; > 20 mm Ø: 10 x d                                                          |
| Min. bending radius moved:   | Up to 12 mm Ø: 10 x d; up to 20 mm Ø: 15 x d; > 20 mm Ø: 20 x d                                                          |
| Operat. temp. fixed min/max: | -40 °C / +80 °C                                                                                                          |
| Operat. temp. moved min/max: | - 5 °C / +70 °C                                                                                                          |
| Temp. at conductor:          | +70 °C in operation; +160 °C in case of short-circuit                                                                    |
| Burning behavior:            | Self-extinguishing & flame-retardant acc.to IEC 60332-1                                                                  |

ITEM OVERVIEW

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                                   |
|-------------|---------------------|--------------|------------------|-------------------|---------------|-------------------------------------------|
| 1000390     | 4 G 1,5             | 10,8         | 95,00            | 212,00            | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000391     | 4 G 2,5             | 12,3         | 150,00           | 270,00            | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000392     | 4 G 4               | 14,5         | 235,00           | 362,00            | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000393     | 4 G 6               | 16,2         | 320,00           | 582,00            | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000394     | 4 G 10              | 19,5         | 533,00           | 794,00            | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000648     | 4 G 16              | 22,4         | 789,00           | 1188,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000649     | 4 G 25              | 27,0         | 1236,00          | 1713,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000650     | 4 G 35              | 30,7         | 1662,00          | 2402,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000651     | 4 G 50              | 35,3         | 2345,00          | 2718,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000500     | 4 G 70              | 40,2         | 3196,00          | 3636,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000501     | 4 G 95              | 45,0         | 4316,00          | 4700,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |
| 1000003     | 4 G 120             | 52,1         | 5435,00          | 5699,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent |

KAWEFLEX® SERVO 2YSL(St)CY... & 2YSL(St)CYK... 0,6/1 kV EMC

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                                               |
|-------------|---------------------|--------------|------------------|-------------------|---------------|-------------------------------------------------------|
| 1001850     | 4 G 150             | 55,2         | 6394,00          | 7043,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent             |
| 1002368     | 4 G 185             | 62,9         | 7639,00          | 8384,00           | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent             |
| 1002702     | 4 G 240             | 69,8         | 10013,00         | 11292,00          | transparent   | V1: 2YSL(ST)CY-J 0,6/1 kV EMV transparent             |
| 1002327     | 4 G 1,5             | 10,8         | 95,00            | 212,00            | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002328     | 4 G 2,5             | 12,3         | 150,00           | 270,00            | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002331     | 4 G 4               | 14,5         | 235,00           | 362,00            | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002744     | 4 G 6               | 16,2         | 320,00           | 582,00            | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002329     | 4 G 10              | 19,5         | 533,00           | 794,00            | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002337     | 4 G 16              | 22,4         | 789,00           | 1188,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002323     | 4 G 25              | 27,0         | 1236,00          | 1713,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002322     | 4 G 35              | 30,7         | 1662,00          | 2402,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002365     | 4 G 50              | 35,3         | 2345,00          | 2718,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002745     | 4 G 70              | 40,2         | 3196,00          | 3636,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002387     | 4 G 95              | 45,0         | 4316,00          | 4700,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002746     | 4 G 120             | 52,1         | 5435,00          | 5699,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002330     | 4 G 150             | 55,2         | 6394,00          | 7043,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002293     | 4 G 185             | 62,9         | 7639,00          | 8384,00           | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1002747     | 4 G 240             | 69,8         | 10013,00         | 11292,00          | black         | V2: 2YSL(ST)CYK-J 0,6/1 kV EMV-UV schwarz/black       |
| 1003369     | 3 X 1,5 + 3 G 0,25  | 10,6         | 91,00            | 144,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1001928     | 3 X 2,5 + 3 G 0,5   | 11,6         | 152,00           | 264,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003371     | 3 X 4 + 3 G 0,75    | 13,2         | 224,00           | 333,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003373     | 3 X 6 + 3 G 1       | 15,0         | 298,00           | 429,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1001929     | 3 X 10 + 3 G 1,5    | 18,4         | 491,00           | 692,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1002892     | 3 X 16 + 3 G 2,5    | 21,5         | 723,00           | 979,00            | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1001858     | 3 X 25 + 3 G 4      | 25,3         | 1138,00          | 1404,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1002856     | 3 X 35 + 3 G 6      | 28,3         | 1535,00          | 1813,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1001859     | 3 X 50 + 3 G 10     | 33,0         | 2208,00          | 2501,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1002891     | 3 X 70 + 3 G 10     | 36,9         | 2871,00          | 3112,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003049     | 3 X 95 + 3 G 16     | 40,9         | 3953,00          | 4492,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003376     | 3 X 120 + 3 G 16    | 46,5         | 4836,00          | 5301,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003390     | 3 X 150 + 3 G 25    | 51,0         | 5421,00          | 6097,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1002841     | 3 X 185 + 3 G 35    | 58,2         | 7041,00          | 7597,00           | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003391     | 3 X 240 + 3 G 50    | 63,0         | 9148,00          | 10379,00          | transparent   | V3: 2YSL(ST)CY-J 0,6/1 kV EMV-3PLUS transparent       |
| 1003431     | 3 X 1,5 + 3 G 0,25  | 10,2         | 91,00            | 144,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002390     | 3 X 2,5 + 3 G 0,5   | 11,6         | 152,00           | 264,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1003138     | 3 X 4 + 3 G 0,75    | 13,2         | 224,00           | 333,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002719     | 3 X 6 + 3 G 1       | 15,0         | 298,00           | 429,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002660     | 3 X 10 + 3 G 1,5    | 18,4         | 491,00           | 692,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002890     | 3 X 16 + 3 G 2,5    | 21,5         | 723,00           | 979,00            | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002720     | 3 X 25 + 3 G 4      | 25,3         | 1138,00          | 1404,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002721     | 3 X 35 + 3 G 6      | 28,3         | 1535,00          | 1813,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1003001     | 3 X 50 + 3 G 10     | 33,0         | 2208,00          | 2501,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002661     | 3 X 70 + 3 G 10     | 36,9         | 2871,00          | 3112,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |

| Product No. | Dimension [n x mm²] | Outer-Ø [mm] | Cu-Index [kg/km] | Weight [kg/1.000] | sheath colour | Variant                                               |
|-------------|---------------------|--------------|------------------|-------------------|---------------|-------------------------------------------------------|
| 1002662     | 3 X 95 + 3 G 16     | 40,9         | 3953,00          | 4492,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002722     | 3 X 120 + 3 G 16    | 46,5         | 4836,00          | 5301,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002380     | 3 X 150 + 3 G 25    | 51,0         | 5421,00          | 6097,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1002999     | 3 X 185 + 3 G 35    | 58,2         | 7041,00          | 7597,00           | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |
| 1003427     | 3 X 240 + 3 G 50    | 63,0         | 9148,00          | 10379,00          | black         | V4: 2YSL(ST)CYK-J 0,6/1 kV EMV-3PLUS-UV schwarz/black |