



Description: SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 3 x (2 x 0,14) + 2 x (0,5)_
Lapp code: Lapp 00277121

The **Test voltage** of the cable Lapp 00277121 is Power cable: 4 KV Signal cables: 500 V.

Application range

- Connecting cable between servo controller and encoder/resolver
- Connecting cable between servo controller and motor
- For use in assembling & pick-and-place machinery
- Particularly in wet areas of machine tools and transfer lines
- Assembly lines, production lines, in all kinds of machines

Product Make-up

- Extra-fine strand made of copper wires:
 - > Signal cables: tinned
 - > Power cables: bare
- Core insulation: polypropylene (PP)
- Tinned-copper braiding
- PUR outer sheath
- Signal cables: green (RAL 6018)
- Servo cable: orange (RAL 2003)

In our Cable list on next page you can find all interesting information acc. article Lapp 00277121 and much more.

CABLE LIST - all informations you need you can find here

| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Reference article no. | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|---------------|---|------------------------|---------------------|----------------------|----------------|
| Feedback / signal cables | | | | | | |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 8 x 2 x 0,18 | Lapp 00277101 | 8 x 2 x 0,18 | 6FX8008-1BD11 | 7.8 | 54.0 | 85 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 x 2 x 0,38 + 4 x 0,5 | Lapp 00277111 | 4 x 2 x 0,38 + 4 x 0,5 | 6FX8008-1BD21 | 8.9 | 77.0 | 120 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 3 x (2 x 0,14) + 2 x (0,5) | Lapp 00277121 | 3 x (2 x 0,14) + 2 x (0,5) | 6FX8008-1BD31 | 8.9 | 69.0 | 113 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5 | Lapp 00277131 | 3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5 | 6FX8008-1BD41 | 8.8 | 66.0 | 101 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5 + 4 x 0,22 | Lapp 00277141 | 3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5 + 4 x 0,22 | 6FX8008-1BD51 | 9.4 | 86.0 | 139 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 x 2 x 0,18 | Lapp 00277151 | 4 x 2 x 0,18 | 6FX8008-1BD61 | 6.4 | 34.25 | 53 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 2 x 2 x 0,18 | Lapp 00277161 | 2 x 2 x 0,18 | 6FX8008-1BD71 | 5.0 | 23.1 | 36 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 12 x 0,22 | Lapp 00277171 | 12 x 0,22 | 6FX8008-1BD81 | 6.9 | 48.0 | 76 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 2 x 2 x 0,15 + 1 x 2 x 0,38 | Lapp 00277992 | 2 x 2 x 0,15 + 1 x 2 x 0,38 | 6FX8008-2DC00 | 7.2 | 39.0 | 67 |
| Motor cables | | | | | | |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G1,5 | Lapp 0027784 | 4 G1,5 | 6FX8008-1BB11-Plu s | 9.1 | 90.0 | 150 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G2,5 | Lapp 0027785 | 4 G2,5 | 6FX8008-1BB21-Plu s | 10.6 | 132.0 | 220 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G4 | Lapp 0027786 | 4 G4 | 6FX8008-1BB31-Plu s | 11.9 | 204.0 | 300 |

SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 3 x (2 x 0,14) + 2 x (0,5)

Lapp 00277121



| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Reference article no. | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--|--------------|---|------------------------|---------------------|----------------------|----------------|
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G6 | Lapp 0027787 | 4 G6 | 6FX8008-1BB41-Plu s | 14.5 | 315.0 | 450 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G10 | Lapp 0027788 | 4 G10 | 6FX8008-1BB51-Plu s | 17.5 | 488.0 | 660 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G16 | Lapp 0027789 | 4 G16 | 6FX8008-1BB61-Plu s | 21.6 | 769.0 | 1010 |
| Servo cables | | | | | | |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 1,5 + (2 x 1,5) | Lapp 0027790 | 4 G 1,5 + (2 x 1,5) | 6FX8008-1BA11-Plu s | 11.6 | 146.0 | 230 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 2,5 + (2 x 1,5) | Lapp 0027791 | 4 G 2,5 + (2 x 1,5) | 6FX8008-1BA21-Plu s | 13.4 | 187.0 | 300 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 4 + (2 x 1,5) | Lapp 0027792 | 4 G 4 + (2 x 1,5) | 6FX8008-1BA31-Plu s | 14.8 | 258.0 | 380 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 6 + (2 x 1,5) | Lapp 0027793 | 4 G 6 + (2 x 1,5) | 6FX8008-1BA41-Plu s | 16.8 | 365.0 | 530 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 10 + (2 x 1,5) | Lapp 0027794 | 4 G 10 + (2 x 1,5) | 6FX8008-1BA51-Plu s | 19.4 | 560.0 | 765 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 16 + (2 x 1,5) | Lapp 0027795 | 4 G 16 + (2 x 1,5) | 6FX8008-1BA61-Plu s | 23.1 | 816.0 | 1090 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 25 + (2 x 1,5) | Lapp 0027796 | 4 G 25 + (2 x 1,5) | 6FX8008-1BA25-Plu s | 26.6 | 1166.0 | 1530 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 35 + (2 x 1,5) | Lapp 0027797 | 4 G 35 + (2 x 1,5) | 6FX8008-1BA35-Plu s | 30.9 | 1554.0 | 2040 |
| SERVO cables in acc. to SIEMENS Standard 6FX 8PLUS 4 G 50 + (2 x 1,5) | Lapp 0027798 | 4 G 50 + (2 x 1,5) | 6FX8008-1BA50-Plu s | 34.0 | 2188.0 | 2760 |