

Servo and connection cables

ULServo® 2YSLCYK (3+3 core version)

EMC-optimised motor cable, low-capacitance, double screened



GOOD EMC* CHARACTERISTIC/FLEXIBLE CABLE DESIGN/SMALL BENDING RADIUS/FLAME RETARDANT CHARACTERISTIC/
3+3 CORES AND UP TO 240mm² CROSS SECTION



APPLICATION

At frequency controlled motor supply that intensely populated by people where there is electromagnetic interference

- Automobile Industry
- Energy Stations
- Packaging Industry
- Machine Tools
- In assembly and production lines
- Industrial Pumps
- In Ventilation Systems
- Conveyor Belts
- Dry, humid, oily and acidic places
- In places where medium level mechanical stresses exist

CONSTRUCTION

- 1-Conductor** IEC 60228; DIN EN 60228; EN 60228 Class 5
Stranded Electrolytic Bare Copper
- 2-Insulation** DIN VDE 0207 PART-2 PE Compound
- 3-Colour Code** DIN VDE 0293; TS HD 308 S2
- 4-Stranding** In layers of optimum pitch
- 5-Screen** Pes Tape + Al-Pes Tape + Tinned Copper Braid
- 6-Sheath** EN 50363-4-1 PVC Compound
- 7-Sheath Colour** RAL 9005 Black

TECHNICAL CHARACTERISTICS

| CONDUCTOR RESISTANCE | | INSULATION RESISTANCE | CURRENT CARRYING CAPACITY | | OPERATING VOLTAGE | TEST VOLTAGE | MUTUAL CAPACITANCE | BENDING RADIUS | TEMPERATURE RANGE | FLAME RETARDANT TEST |
|----------------------|-------|-----------------------|---------------------------|-----|--------------------------------------|--------------|---|----------------|---|---|
| mm ² | Ω/km | 200MΩxkm | mm ² | A | U ₀ /U(U _{max}) | 4000V | Damar/Damar=70-250 nF/km Damar/Ekran=110-410 nF/km Core/Core = 70-250 nF/km Core/Screen =110-410 nF/km | 10x Cable Ø | Hareketli / Mobile +5°C-+70°C Sabit / Stable -40°C-+70°C | IEC 60332-1-2 DIN EN 60332-1-2 EN 60332-1-2 |
| 1,5 | 13,3 | | 1,5 | 20 | 0,6/1(1,2) kV | | | | | |
| 2,5 | 7,98 | | 2,5 | 25 | | | | | | |
| 4,0 | 4,95 | | 4,0 | 34 | | | | | | |
| 6,0 | 3,30 | | 6,0 | 44 | | | | | | |
| 10 | 1,91 | | 10 | 61 | | | | | | |
| 16 | 1,21 | | 16 | 82 | | | | | | |
| 25 | 0,780 | | 25 | 108 | | | | | | |
| 35 | 0,554 | | 35 | 135 | | | | | | |
| 50 | 0,386 | | 50 | 168 | | | | | | |
| 70 | 0,272 | | 70 | 207 | | | | | | |
| 95 | 0,206 | | 95 | 250 | | | | | | |

NOTES

*EMC: Electromagnetic compatibility

With their flexible design they can easily be used in narrow spaces.

These cables are not suitable for outdoor use.

OZ: Black insulation+Without Green/Yellow earthing core

JZ: Black insulation+Green/Yellow earthing core

OB: Colour code insulation+Without Green/Yellow earthing core

JB: Colour code insulation+With Green/Yellow earthing core