

# Servo and connection cables

## ULServo® 2YSLCY (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 240mm<sup>2</sup> 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** Transparent

### TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE		INSULATION RESISTANCE	CURRENT CARRYING CAPACITY		OPERATING VOLTAGE	TEST VOLTAGE	MUTUAL CAPACITANCE	BENDING RADIUS	TEMPERATURE RANGE	FLAME RETARDANT TEST
mm <sup>2</sup>	Ω/km	200MΩxkm	mm <sup>2</sup>	A	U <sub>0</sub> /U(U <sub>max</sub> )	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						
2,5	7,98		2,5	25	0,6/1(1,2) kV					
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