



**LSZH EMC SCREENED SERVO CABLE**

IEC 60502-1

21 orderable sizes

STANDARD <b>IEC 60502-1</b>	VOLTAGE CLASS <b>0.6/1 kV</b>	CONDUCTOR <b>Fine-stranded flexible copper conductor</b>
INSULATION / JACKET <b>LSZH UV and oil resistant sheath</b>		

**Construction**

- 1 ■ Conductor (per core) – Fine-stranded flexible copper conductor · 2 × Ø1.5 mm
- 2 ■ Core insulation – XLPE low-capacitance power-core insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – LSZH UV and oil resistant sheath

**Size selection — all available cross-sections**

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 1.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	1.5 mm <sup>2</sup>	12.7	Al/PET tape screen plus tinned copper wire braid screen	14.9 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 2.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	2.5 mm <sup>2</sup>	7.6	Al/PET tape screen plus tinned copper wire braid screen	15.6 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 4 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	4 mm <sup>2</sup>	4.7	Al/PET tape screen plus tinned copper wire braid screen	16.5 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 6 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	6 mm <sup>2</sup>	3.1	Al/PET tape screen plus tinned copper wire braid screen	17.4 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 10 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	10 mm <sup>2</sup>	1.83	Al/PET tape screen plus tinned copper wire braid screen	18.9 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 16 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	16 mm <sup>2</sup>	1.15	Al/PET tape screen plus tinned copper wire braid screen	20.7 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores 25 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores	25 mm <sup>2</sup>	0.727	Al/PET tape screen plus tinned copper wire braid screen	22.8 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 1.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	1.5 mm <sup>2</sup>	12.7	Al/PET tape screen plus tinned copper wire braid screen	15.2 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 2.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	2.5 mm <sup>2</sup>	7.6	Al/PET tape screen plus tinned copper wire braid screen	16.0 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 4 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	4 mm <sup>2</sup>	4.7	Al/PET tape screen plus tinned copper wire braid screen	16.9 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 6 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	6 mm <sup>2</sup>	3.1	Al/PET tape screen plus tinned copper wire braid screen	17.8 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 10 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	10 mm <sup>2</sup>	1.83	Al/PET tape screen plus tinned copper wire braid screen	19.3 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 16 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	16 mm <sup>2</sup>	1.15	Al/PET tape screen plus tinned copper wire braid screen	21.1 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores 25 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores	25 mm <sup>2</sup>	0.727	Al/PET tape screen plus tinned copper wire braid screen	23.2 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 1.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	1.5 mm <sup>2</sup>	12.7	Al/PET tape screen plus tinned copper wire braid screen	25.3 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 2.5 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	2.5 mm <sup>2</sup>	7.6	Al/PET tape screen plus tinned copper wire braid screen	26.0 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 4 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	4 mm <sup>2</sup>	4.7	Al/PET tape screen plus tinned copper wire braid screen	26.9 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 6 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	6 mm <sup>2</sup>	3.1	Al/PET tape screen plus tinned copper wire braid screen	27.9 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 10 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	10 mm <sup>2</sup>	1.83	Al/PET tape screen plus tinned copper wire braid screen	29.4 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 16 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	16 mm <sup>2</sup>	1.15	Al/PET tape screen plus tinned copper wire braid screen	31.1 mm
ROZ1-K LSZH EMC servo cable 0.6/1 kV Servo drive and frequency-drive motor power 4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores 25 mm <sup>2</sup>	Fixed and flexible EMC servo	Servo drive and frequency-drive motor power	4G power cores + 2 x 1.5 brake cores + 2 x 0.75 signal cores	25 mm <sup>2</sup>	0.727	Al/PET tape screen plus tinned copper wire braid screen	33.2 mm