



**PolyLIVE mobile multicore
n x 2x 0.22 mm² - PVC**

- 0.22 mm² conductor cross section (AWG 24)
- overall braid shield
- compact construction

PVC

PolyLIVE, the cable designed for live stage use, successfully combines superb performance with compact dimensions. The best-selling multicore in the KLOTZ catalogue, it offers up to 48 pairs. The high conductor cross-section of 0.22 mm² prevents signal attenuation and can easily handle transmission over long distances. The polyethylene insulation of the conductors delivers low capacitance to avoid treble loss. Short aligned lay lengths ensure high crosstalk attenuation between individual audio channels. Each individual core is shielded by AL-coated foil with integrated drain wire and wrapped in plastic foil to prevent short-circuiting of the individual pair shields. The PolyLIVE is thus the ideal basis for manufacturing single-ground systems. The entire cable is enclosed in an ultra-dense braided shield of tinned copper and a rugged outer PVC jacket. With pre-tinned drain wires and Klotz colour-coded pair markings, the PolyLIVE is outstandingly easy to work with.

design

cond. construction	stranded tinned copper, 7x 0.20 mm (AWG 24/7)
cond. cross section	0.22 mm ²
insulation	polyethylene (PE), KLOTZ multicore colour code
core arrangement	2 cores twisted to a pair
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair taping	polypropylene (PP) foil
cable stranding	n pairs twisted in layers
overall shield	tinned copper braid
outer jacket	PVC, matt

electric

conductor resistance	< 85 Ω/km
capacitance	
cond./cond.	75 pF/m
cond./shield	140 pF/m
crosstalk attenuation	> 100 (15 kHz) dB
insulation resistance	> 5 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

mechanical & thermal characteristics

operating temperature	-30°C / +70°C
min. bending radius	
installed	5x overall diameter
mobile use	10x overall diameter
no hazardous substances	acc. to EU directive RoHS-2 2011/65/EU
CE conformity	acc. to EU directive LVD 2006/95/EG
flame retardancy	acc. to IEC 60332-1-2

order code	no. of pairs	outer Ø mm	cable color	weight kg/m	standard lengths m
PL22Y04	4	8.7	black	0,1	10 / 15 / 20 / 30 / 50 / 100
PL22Y08	8	11.3	black	0,16	10 / 15 / 20 / 30 / 50 / 100
PL22Y12	12	13.5	black	0,24	10 / 15 / 20 / 30 / 50 / 100
PL22Y16	16	15.1	black	0,29	10 / 15 / 20 / 30 / 50 / 100
PL22Y24	24	18.3	black	0,42	10 / 15 / 20 / 30 / 50 / 100
PL22Y32	32	20.1	black	0,51	10 / 15 / 20 / 30 / 50 / 100
PL22Y48	48	24.0	black	0,74	10 / 15 / 20 / 30 / 50 / 100

technical specifications are subject to change