

PolyWIRE XLPE studio multicore
n x 2x 0.22 mm² - PVC

- 0.22 mm² conductor cross section (AWG 24)
- XLPE insulation (cross-linked PE)
- heat-resistant, easy and reliable
- soldering without shrinking
- AL/PET foil shielded pairs
- flexible PVC jacket

PVC

The KLOTZ PolyWIRE has been the European bestseller for years in the range of studio connection and installation cables. By the use of a specific PVC the cable is robust and still ultra-flexible and lies flat without looping when laid out or installed. The good audio performance results from generous conductor cross section together with low capacitance. Numbered pair jackets make the assembly easier and labelling dispensable. With the latest generation of this cable a conductor insulation from cross-linked polyethylene is applied to avoid shrinking during soldering.

design

cond. construction	stranded tinned copper, 7x 0.20 mm
cond. cross section	0.22 mm²
insulation	XLPE, red & blue
core arrangement	2 cores twisted to a pair
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair jacket	PVC, color coded in steps of 8 pairs and numbered consecutively
cable stranding	n pairs twisted in layers
outer jacket	PVC, soft, matt

electric

conductor resistance	< 85 Ω/km
capacitance	
cond./cond.	80 pF/m
cond./shield	160 pF/m
crosstalk attenuation	> 15 kHz / 100 dB
insulation resistance	> 5 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

mechanical & thermal characteristics

operating temperature	-20°C / +70°C
min. bending radius	
installed	5x overall diameter
mobile use	8x overall diameter
no hazardous substances	acc. to EU directivo RoHS-2 2011/65/EU
REACH conformity	acc. to regulation no. 1907/2006
CE conformity	acc. to EU directivo LVD 2014/35/EU
flame retardancy	acc. to IEC 60332-1-2

order code	no. of pairs	outer Ø mm	cable color	weight kg/m	standard lengths m
PW02X	2	8.0	black	0,06	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200 / 300
PW04X	4	9.5	black	0,1	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200 / 300
PW08X	8	12.5	black	0,19	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200 / 300
PW12X	12	15.0	black	0,26	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200 / 300
PW16X	16	17.0	black	0,35	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200
PW20X	20	19.0	black	0,42	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200
PW24X	24	21	black	0,49	6 / 10 / 15 / 20 / 30 / 50 / 100 / 200
PW32X	32	24.0	black	0,64	6 / 10 / 15 / 20 / 30 / 50 / 100

technical specifications are subject to change

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