installation multicore PolyFIX compact - n x 2 x 0.22 mm² - FRNC
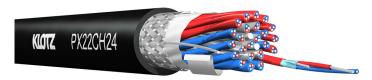
• 0.22 mm² conductor cross section
• numbered and color coded pair jackets
• extremely small overall diameter
• flame retardant and non corrosive (FRNC - bundle test category C)
• CPR class Eca

FRNC   **Eca**

Ultra-compact and highly flame-retardant, the PX22CH PolyFIX-FRNC Audio Multicore passes the flame spread test for cable bundles with a rating of Category C - not least because of its FRNC outer jacket. The cable has a conductor cross-section of 0.22 mm² and is designed for long transmission distances. It comprises up to 24 wire pairs, each pair with a TPE (thermo-plastic elastomer) jacket colour-coded in groups of 8 and numbered individually. As TPE can be extruded in low wall thicknesses, the individual channels are extremely slim, giving the multicore a highly compact overall diameter and low fire load. Foil shields protect the pairs against electromagnetic interference and the underlying pre-tinned drain wire ensures rapid contact. The cable has an overall shield of densely braided copper with 85 per cent screening which likewise has a drain wire. All copper wires are tinned, providing significant time savings in working with the cable.

construction

cond. construction	stranded tinned copper, 7 x 0.20 mm
cond. cross section	0.22 mm²
insulation	Foam-Skin PP
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair jacket	TPE, color coded in steps of 8 pairs and numbered consecutively
overall shield	tinned stranded drain wire + tinned copper braid (85% coverage)
outer jacket	FRNC

mechanics

min. bending radius	10x outer diameter
working temperature	-30°C / +70°C
halogen-free	acc. to IEC 60754-2
flame retardancy	acc. to IEC 60332-3-24

electric

conductor resistance	< 85 Ω/km
capacitance	
cond./cond.	80 pF/m
cond./shield	165 pF/m
crosstalk attenuation	> 15 kHz / 100 dB
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	no. of pairs	outer Ø mm	heat of combustion kWh/km	colour	weight kg	standard lengths m
PX22CH02	2	7.1	192	black	0.07	20 / 30 / 50 / 100 / 200 / 300
PX22CH04	4	8.1	275	black	0,095	20 / 30 / 50 / 100 / 200 / 300
PX22CH08	8	10.4	444	black	0,165	20 / 30 / 50 / 100 / 200 / 300
PX22CH12	12	12.9	608	black	0.22	20 / 30 / 50 / 100 / 200 / 300
PX22CH16	16	14.2	821	black	0,275	20 / 30 / 50 / 100 / 200 / 300
PX22CH24	24	17.7	1222	black	0,4	20 / 30 / 50 / 100 / 200

technical specifications are subject to change

KLOTZ interfaces