



**PolyFIX compact installation multicore**

**n x 2 x 0.22 mm<sup>2</sup> - FRNC**

- 0.22 mm<sup>2</sup> conductor cross section (AWG 24)
- numbered and color coded pair jackets
- extremely small overall diameter
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575

**FRNC**

**Eca**

**sale**

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 mm<sup>2</sup> and is designed for long transmission distances. It comprises up to 24 wire pairs, each pair with a TPE (thermoplastic 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 mm<sup>2</sup>  
 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

**electric**

conductor resistance      < 85 Ω/km  
 capacitance  
   cond./cond.                80 pF/m  
   cond./shield              165 pF/m  
 test voltage  
   cond./cond.                1200 V  
   cond./shield               500 V

**mechanics**

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

order code	no. of pairs	outer Ø mm	heat of combustion kWh/km	cable color	weight kg/m	standard lengths m
PX22CH02	2	7.1	192	black	0.07	20 / 30 / 50 / 100 / 200 / 300
PX22CH04	4	8.1	275	black	0.1	20 / 30 / 50 / 100 / 200 / 300
PX22CH08	8	10.4	444	black	0.16	20 / 30 / 50 / 100 / 200 / 300
PX22CH12	12	12.9	608	black	0.22	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