



FRNC

Dca

new

Foil-shielded pairs + a double overall shield (foil + very dense braid) provide maximum shielding. The triple shielding and fulfillment of the flame test according to EN50575 class Dca make this Omnidix multicore for installations a sure thing in two ways. Interference free, low-loss signal transfer and safety in case of fire by selected LSZH materials for pair and outer jacket, which emit in case of fire, no toxic and halogen-containing gases and very little smoke. The foil shields and pair jackets are bonded to each other and can be processed very quickly.

**design**

cond. construction	stranded tinned copper, 7 x 0.20 mm
cond. cross section	0.22 mm <sup>2</sup>
insulation	Foam-Skin PE, red & blue
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair jacket	LSZH (low smoke zero halogen) numbered, grey
overall shield	AL/PET foil + tinned stranded drain wire + tinned copper braid (coverage 85%)
outer jacket	FRNC

**mechanics**

min. bending radius	10x overall diameter
working temperature	-30°C / +70°C
flame retardancy	acc. to IEC 60332-1-2
halogen-free	acc. to IEC 60754-2
low smoke emission	acc. to CPR class S2

**OmniFIX HS high screen AES/EBU multicore****n x 2 x 0.22 mm<sup>2</sup> - FRNC - Dca**

- suitable for analog and digital audio
- 0.22 mm<sup>2</sup> conductor cross section (AWG 24/7)
- triple shielding (pair and double overall Al foil)
- Al/PETP foil bonded to pair jacket for fast assembly
- flame retardant and non corrosive (FRNC)
- CPR class Dca - s2, d2, a1 acc. to EN50575

**electric**

conductor resistance	< 85 Ω/km
capacitance	
cond./cond.	43 pF/m
characteristic impedance	110 Ω
nom. attenuation [dB/100m]	
1 MHz	2.3
3 MHz	3.8
6 MHz	5.3
10 MHz	6.6
crosstalk attenuation	
15 kHz	> 100 dB
10 MHz	> 80 dB
insulation resistance	> 30 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	no. of pairs	outer Ø mm	heat of combustion kWh/km	cable color	weight kg/m
OX22GHB02	2	10.8	640	black	0.16
OX22GHB04	4	12.5	950	black	0.23
OX22GHB08	8	16.4	1510	black	0.37
OX22GHB12	12	20.4	2140	black	0.52

technical specifications are subject to change