



FRNC

Eca

StarQuad pro audio multicore**n x 4 x 0.18 mm² - FRNC**

- 0.18 mm² conductor cross section (AWG 25)
- quad connection: 2 x 0.36 mm² (AWG 22)
- AL/PET foil shield (100% coverage)
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575, SQM18H12 is class Fca

- ¹ quad connection: two diagonally opposite conductors are attached to one conductor
- ² each pair from two diagonally opposite conductors forms one transmission path

This multicore cable combines four, eight or twelve cables each based on the conduction properties of the SQ418H cable. Like the SQ418H, it has a halogen-free flame-retardant FRNC jacket and is thus ideal for installations. Each individual cable comprises a star quad whose opposing cores are electrically connected in perfectly symmetrical twisting to minimize electromagnetic interference; the aluminium-coated foil shield also protects effectively against interference. The layered twisting of the individual cables produces a stable, rugged structure for long life and durability.

construction

cond. construction	stranded tinned copper, 7 x 0.18 mm
cond. cross section	0.18 mm ²
insulation	polyethylene (PE)
core arrangement	4 cores twisted to a star quad
shielding	AL/PETP foil
element jacket	LSZH, grey, numbered
drain wire	stranded tinned copper, 7 x 0.16 mm

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 60332-1

electric

conductor resistance	100 Ω/km
insulation resistance	> 30 GΩ x km
capacitance	
cond./cond. ¹	130 pF/m
cond./shield ¹	173 pF/m
cond./cond. ²	50 pF/m
cond./shield ²	95 pF/m

order code	no. of star quads	heat of combustion kWh/km	outer Ø mm	cable color	weight kg/m	standard lengths m
SQM18H04	4	520	11.8	grey	0.14	30 / 50 / 100 / 200 / 300
SQM18H12	12	1702	19.3	grey	0.42	30 / 50 / 100 / 200

technical specifications are subject to change