



PVC

StarQuad pro audio cable 4x 0.15 mm² - PVC

- 0.15 mm² conductor cross section (AWG 26)
- quad connection: 2x 0.30 mm² (AWG 22)
- very dense tinned copper spiral shield
- extremely flexible
- ¹ quad connection: two diagonally opposite conductors are attached to one conductor
- ² each pair from two diagonally opposite conductors forms one transmission path

Star-quad cables are designed for microphone connections in stage use. The SQ414 features ultra-fine tinned copper strands that provide superb flexibility; the cable can also be used as a patch cable. Microphone signals are particularly susceptible to interference because of the high amplification involved, particularly in live environments with multiple electromagnetic fields. The SQ414's design has four cores twisted together. Its intelligent wiring minimizes interference by electrically connecting opposing cores so that the four cores form two crosswise-stranded double cores (the 'star quad' of the name) in perfectly symmetrical stranding. The connected pairs of the SQ414 are colour-coded to simplify cable production. The SQ414 also features a spiral shield offering over 95 per cent screening. Production note: cores are colour-coded white/white-green and blue/blue-orange.

design

cond. construction	stranded tinned copper, 19x 0.10 mm
cond. cross section	0.15 mm ²
insulation	polyethylene (PE)
core arrangement	4 cores twisted to a star quad
shielding	tinned copper spiral shield, >95% coverage
outer jacket	PVC, black
overall diameter	5.5 mm

mechanical & thermal characteristics

operating temperature	-25°C / +70°C
min. bending radius	
installed	5x overall diameter
mobile use	10x overall diameter
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
CE conformity	acc. to EU directive LVD 2006/95/EG
flame retardancy	acc. to IEC 60332-1-2
heat of combustion	627 kWh/km

electric

conductor resistance	120 Ω/km
shield resistance	< 30 Ω/km
capacitance	
cond./cond. ¹	150 pF/m
cond./shield ¹	200 pF/m
cond./cond. ²	60 pF/m
cond./shield ²	110 pF/m
characteristic impedance ¹	40 Ω
characteristic impedance ²	110 Ω

order code	cable color	weight kg/m	standard lengths m
SQ414Y	black	0,04	30 / 50 / 100 / 200 / 300

technical specifications are subject to change