

**StarQuad - 4 x 0.15 mm² - PVC**

- 0.15 mm² conductor cross section (AWG 26)
- very dense tinned copper spiral shield
- quad connection: 2 x 0.30 mm² (AWG 22)

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

PVC

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.**

construction

cond. construction	stranded tinned copper, 19 x 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
overall diameter	5.5 mm

mechanics

min. bending radius	30 mm
working temperature	-20°C / +70°C
flame retardancy	acc. to IEC 60332-1
heat of combustion	175 kWh/km

electric

conductor resistance	122 Ω/km
shield resistance	31 Ω/km
capacitance	
cond./cond. ¹	150 pF/m
cond./shield ¹	200 pF/m
cond./cond. ²	57 pF/m
cond./shield ²	110 pF/m
characteristic impedance ¹	40 Ω
characteristic impedance ²	110 Ω

order code	colour	weight kg	standard lengths m
SQ414Y	black	0.04	30 / 50 / 100 / 200 / 300

technical specifications are subject to change