

GABREAL GAP 41 SQ BS 4x0,15 PVC (SQ414Y PVC)

Construction

Conductor	Stranded tinned copper according to EN 60228 Class 6 (18x0,10 mm)
Insulation	Polyethylene (PE) $\varnothing 1,10 \pm 0,05$ mm
Core identification	White, Blue/orange, White/green, Blue
Lay-up	4 cores twisted to a star quad
Wrapping	Non-woven tape
Braiding	Tinned copper wire spiral shield $\varnothing 0,10$ mm, coverage >95%
Outer Jacket	PVC compound
Color	RAL 9005 Black

Marking	GABREAL GAP 41 SQ BS 4x0.15 PVC LOT CE 0001 m
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Technical data

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
Temperature range	-20°C to +70°C
Min. Bending radius	6 x cable diameter

¹ quad connection: two diagonally opposite conductors are attached to one conductor

² each pair from two diagonally opposite conductors forms one transmission path

Characteristic

Flame retardant	IEC 60332-1
CE, RoHS compliant	Yes

Specification

No of cores and cross section	Copper weight	Cable weight	Conductor resistance at 20 °C	Insulation resistance	Cable Diameter
N x mm ²	Nom. (kg/km)	Nom. (kg/km)	Max. (Ω /km)	Min. (M Ω x km)	Tol. $\pm 0,3$ (mm)
4 x 0,15	13,2	50	138	5000	5,50