

GABREAL GAP 2x0,50 FRNC-C

Construction

Conductor	Bare stranded copper wire, 28x0,15 mm
Insulation	HFFR compound, Ø=1,80 ± 0,05 mm
Core identification	Blue, Red
Filler	Cotton threads
Lay-Up	Cores twisted together with two cotton threads
Overall screen	Bare copper spiral shielding, %100 coverage
Sheath	HFFR flex compound / (FRNC/LSZH-C)
Sheath color	Black

Marking GABREAL GAP 2x0,50 FRNC-C LOT CE 0001 m

Technical data

Operating voltage	300/500 V
Capacitance (core-core)	135,0 pF/m
Capacitance (Core-screen)	230 pF/m
Test voltage	500 V
core/core	1000 V
core/screen	
Temperature range	
Flexible	-5°C to +50°C
Fixed	-30°C to +70°C
Min. bending radius	
Flexible	4 x outer diameter
Fixed	8 x outer diameter

Properties

Flame retardant	IEC 60332-1, IEC 60332-3-24
Halogen free	IEC 60754-1
Smoke density	IEC 61034
CE, RoHS compliant	Yes

Technical and dimension table

No of cores and cross sectio	Outer dimension	Conductor resistance at 20 °C	Insulation resistance	Cable weight	Copper weight
N x mm²	Nom. (mm)	Max. (Ω/km)	Nom. (MΩ x km)	Nom. (kg/km)	Nom. (kg/km)
2 x 0,50	7,20 ± 0,20	39,0	100	80	17,20

*The values can have small deviations