



Control pair cable-screened FKAR 250V

Max conductor temp. : 70 °C
Rated voltage Uo/U : 150/300V

Cenelec designation : N03VA7V-R

Application

Control cable used in facilities where high level on the electrical transmission quality is expected.

Permitted indoor and outdoor.

FKAR is made in following constructions:

- PG = Pair with collective screen
- TG = Trippel with collective screen
- PI = Pair with individual screen
- PIG = Pair with individual and collective screen

STANDARDS APPLIED

Construction : SS 424 0323
CENELEC HD 627

Flame retardancy : Yes, IEC 60332-1

Halogen free : No

APPROVALS

NEMKO and SEMKO

CE-marking, acc. to LVD

CONSTRUCTION for FKAR-PG

| | CODE | |
|--------------------------|------|---|
| Conductor | | Stranded tinned copper |
| Insulation | | PVC |
| Twisting | P | Numbercoded cores are twisted to a pair. 2 pair is builded as a quad. The pairs are laid up in concentric layers |
| Collective screen | G | Aluminium/Polyester tape with tinned copper drain wires |
| Outer sheath | | PVC |
| Colour | | Grey or blue |
| Marking | | Insulated cores are number marked. Printed on outer sheath designation. |
| Mode of packing | | Drum |

DIMENSIONS for FKAR-PG

Rev.1.

| No. of cores and conductor area mm ² | Conductor type *) | EI. No. | Art. No. | Outer diameter approx. mm | Approx. weight kg/km | Normal delivery length m |
|---|-------------------|---------|----------|---------------------------|----------------------|--------------------------|
| 1 pair 0,5 | FR | 1032002 | 350650 | 7 | 60 | 1000 |
| 2 pair 0,5 | FR | 1032004 | 350655 | 8 | 80 | 1000 |
| 4 pair 0,5 | FR | 1032008 | 350660 | 11 | 140 | 1000 |
| 8 pair 0,5 | FR | 1032016 | 350665 | 14 | 230 | 1000 |
| 16 pair 0,5 | FR | 1032029 | 350670 | 19 | 400 | 500 |
| 1 pair 1 | FR | 1032102 | 350680 | 8 | 80 | 500 |

*)FR = Stranded round

Mode of packing and length can be changed.
Not all dimensions are in stock.

ELECTRICAL DATA at 1 kHz

Pair capacitance : 90 nF/km
Characteristic impedance : 350 ohm
Pair inductance : 680 mikro H/km

Attenuation : 1,4 dB/km
Conductor resistance, loop : 0,5mm² 80,8 ohm/km
: 1,0mm² 41,5 ohm/km