



Type PVC/PVC/SWA/PVC - PVC/OS/PVC/SWA/PVC
FR2ORAR - FR2OHRAR

Conductor

Plain annealed copper conductor according to CEI 20-29 class 5

- 0,50 mm² (16/0,2) - 1,5 mm² (28/0,25) - 6,0 mm² (81/0,3)
- 0,75 mm² (24/0,2) - 2,5 mm² (48/0,25) - 10 mm² (77/0,4)
- 1,0 mm² (32/0,2)

Insulation

PVC type R2 according to CEI 20-11

Identification cores according to CEI - UNEL 00722

Laying up

Cores twisted in concentric layers

Overall screen

Over the core layer will be shielded with aluminium/mylar tape, with copper drain wire

20 AWG placed between the aluminium/mylar tape and further mylar tape.

The drain wire is layed up with the other conductors.

Inner sheath

PVC type RZ according to CEI 20-11, black

Armour

Galvanized Steel Wires or Braid

Outer sheath

PVC type RZ according to CEI 20-11, Hydrocarbon Resistant, black

Marking

On the outer sheath " manufacturer's name, year, description cable, CEI 20-22 II, ENI Code " with ink-jet printer.

Performance

Reaction to fire - Flame propagation : a) Test of single cable acc. to CEI 20-35/1-1

b) Test on bunched cable acc. to CEI 20-22/3-2

Minimum bending radius

10 times overall diameter

Technical data & Electrical properties

Temperature rating : - during operation - 40 + 70°C

- during installation - 5 + 50°C

Conductor resistance : acc. to CEI 20-29

Insulation resistance : > 100 Mohm x Km

Mutual capacitance : < 140 nF/Km

Inductance : < 1,25 mH/Km

Rated voltage : U/U₀ = 300/300 V (Insulation degree 1,5) Test voltage - core/core : 1.500 V

Rated voltage : U/U₀ = 450/750 V (Insulation degree 3) Test voltage - core/core : 3.000 V

Rated voltage : U/U₀ = 0,6/1 KV (Insulation degree 4) Test voltage - core/core : 4.000 V

Test voltage - core/screen : 1.000 V