



Type

PE/PVC - PE/OS/PVC - PE/IS/OS/PVC
FEXOR - FEXOHR - FEXHOHR

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

Low Density Polyethylene according to CEI 20-11

Identification paires : - Each pair has one blue and one black core, numbered

- Each triples has one blue and one black one brown core, numbered

Laying up

Core twisted to pairs or triples; Pairs and triples twisted in concentric layers

Individual screen

Each pair/triple shall have a laminated screening tape of aluminium bonded to polyester, white copper tinned drain wire in electrical contact with the metallic side tape. Over the screening tape shall be applied a binder of PET tape.

Overall screen

Over the pair 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.

Outer sheath

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

Marking

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

Performance

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

Minimum bending radius

6 times overall diameter

Technical data & Electrical properties

Temperature rating : - during operation - 40 + 60°C

- during installation - 15 + 50°C

Conductor resistance : acc. to CEI 20-29

Insulation resistance : > 5.000 Mohm x Km

Mutual capacitance : < 0,06 µF/Km

Inductance : < 0,9 mH/Km

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

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

Test voltage - core/shield : 1.000 V

Test voltage - adjacent shield : 125 V