



**Type** PVC/PVC/SWA/PVC - PVC/OS/PVC/SWA/PVC - PVC/IS/OS/PVC/SWA/PVC  
**FR2XORAR - FR2XOHRAR - FR2XHOHRAR**

**Conductor**

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

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

**Insulation**

PVC R2 type according to CEI 20-11

Identification pairs : - 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.

Telephone conductor arranged in central position.

**Inner sheath**

PVC type RZ cording to CEI 20-11, black

**Armour**

Galvanized steel wires or braid

**Outer sheath**

PVC type RZ cording to CEI 20-11, Idrocarbon Resistant, black.

**Marking**

On the outhter sheath " manufacturer's name, year , description cable, ENI Code CEI 20-22 II " 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 bunchd cable acc. To 20-22/3-2

**Minimum bending radius**

10 times overall diameter

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**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 : < 0,14 µF/Km

Inductance : < 1,25 mH/Km

Rated voltage : U/U<sub>0</sub> = 300/300 V (Insulation degree 1,5) Test voltage - core/core : 1.500 V

Rated voltage : U/U<sub>0</sub> = 450/750 V (Insulation degree 3) Test voltage - core/core : 3.000 V

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

Test voltage - core/shield : 1.000 V

Test voltage - adjacent shield : 125 V