

PRESENTATION

These cables are suitable for indoors telecommunication fixed installation. These cables are halogen free and flame retardant. They are used in locations with fire hazard to reduce damage in case of fire.

STANDARDS

VDE 0815 standard.

CABLE MANUFACTURE**1- Conductors:**

Each conductor consists of a solid wire of annealed, grade A copper, having a diameter of 0,6 mm or 0,8 mm.

2- Insulation:

Each conductor is insulated with a FRNC compound

3- Stranding:

- Four conductors to form a star quad.
- Five quads to form a bundle.
- Bundles assembled in layers.

4- Wrapping:

A polyester wrapping tape is applied over the cable core.

5- Screen:

Over the wrapped core is applied a plastic coated aluminum foil.

6- Drain wire:

The drain wire is an annealed copper having a diameter 0,6 mm for cables with conductor diameter 0,6 mm and 0,8 mm for cables with conductor diameter 0,8 mm.

7- sheath:

The sheath is an FRNC compound.

**ELECTRICAL CHARACTERISTICS**

1- Capacity (800 Hz)	Max.120 nF/km
2- Insulation resistance	Min.100M? .km
3- Electrical resistance	
0,6 mm conductors	Max.130? /km
0,8 mm conductors	Max.73,2? /km
4- Capacity unbalance at (800 Hz)	Max.300pF/100ml
5- Test voltage	800 V
6- Operating voltage	300V

ENVIRONMENTAL PROPERTIES

- Operating temperature (-30 : ±70° C)
- Halogen free
- Fire retardancy according to EN 50266-2-4 IEC 60332-3-24
- Low smoke generation
- No emission of corrosive gases