



FG16OHM16FM16 600/1000V
CU/HEPR/OS/LSZH/SWA+CS/LSZH
CPR Class: Cca – s1b, d1, a1

FG16XHOHM16FM16 600/1000V
CU/HEPR/IS/OS/LSZH/SWA+CS/LSZH
CPR Class: Cca – s1b, d1, a1

Design

- **Conductor**
Stranded annealed or tinned Copper
- **Insulation**
Cross-linked copolymer
- **Individual Screen (For multipairs only)**
Aluminum/PET + tinned Copper drain wire
- **Overall Screen**
Aluminum/PET + tinned Copper drain wire
- **Inner sheath**
Special halogen-free compound
- **Armour**
Galvanized steel wire+ Steel Counterspiral
- **Outer sheath**
Special halogen-free compound
- **Colour**
Upon request

Special Features

- Sunlight resistant
- Hydrocarbon and chemical resistant
- Fire behaviour
- Oil resistant

Type of Application

- Middle-high level CPR classification
- Cables suitable for installation in constructions and civil engineering buildings with high concentration of people.

Norm references and Approvals

- **Constructive standard**
CEI 20-13
- **CPR**
EU 305/11
EN 50575
- **Hydrocarbon & Oil**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 0,5%)
IEC 61034-2
- **Fire behavior**
IEC 60332-1-2
IEC 60332-3-22
EN 50399

DoP Number

- CCE_DOP_190008
- CCE_DOP_190009

Technical data



Core identification code:
 Pairs: black & white numbered
 Triads: black, white, red numbered
 Other colors code available on request



Insulation resistance:
 1000 MOhm x km



Conductor stranding:
 Class 5 IEC 60228



Nominal Voltage U_o/U:
 600/1000 V



Test voltage:
 C/C 3500 Vac x 5 minute



Temperature range:
 during operation: -30° to +70°C
 during installation: -5° to +50°C



Minimum Bending Radius:
 10x Outer Diameter

Cross section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2x1,5	13,48	34	332
2x2x1,5	18,43	67	551
3x2x1,5	19,3	96	601
4x2x1,5	20,73	125	685
5x2x1,5	22,2	154	789
6x2x1,5	23,9	182	899
7x2x1,5	23,9	211	900
8x2x1,5	26,3	240	1075
9x2x1,5	28,95	269	1329
10x2x1,5	30,2	298	1437
11x2x1,5	30,24	326	1438
12x2x1,5	31,12	355	1515

Cross section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3x1,5	13,9	48	362
2x3x1,5	19,9	96	663
3x3x1,5	20,9	139	736
4x3x1,5	22,5	182	860
5x3x1,5	24,31	226	991
6x3x1,5	26,18	269	1138
7x3x1,5	26,18	312	1152
8x3x1,5	29,65	355	1491

Unless specified, the shown product values are nominal. Detailed values (e.g. tolerances) are available upon request. Weights and dimensions are indicative only and may change from what is indicated in this technical specification. For more detailed information contact us at info.it.cce@lapp.com

Photographs are not to scale and do not represent detailed images of the respective products, technical sheets including detailed constructions and performances are available upon request