



**FG16OR16FR16 600/1000V**  
**CU/HEPR/PVC/SWA+CS/PVC**  
**CPR Class: Cca – s3, d1, a3**

**Design**

- **Conductor**  
Stranded annealed or tinned Copper
- **Insulation**  
Cross-linked copolymer
- **Inner sheath**  
PVC (Polyvinylchloride)
- **Armour**  
Galvanized steel wire+ Steel Counterspiral
- **Outer sheath**  
PVC (Polyvinylchloride)
- **Colour**  
Upon request

**Special Features**

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

**Type of Application**

- Middle-high level CPR classification
- Cables suitable for installation in bundles 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
- **Fire behavior**  
IEC 60332-1-2  
EN 50399

**DoP Number**

- CCE\_DOP\_190002

**Technical data**



**Core identification code as per HD 308:**

- 1: black
  - 2: brown, blue
  - 3: blue, brown, black (yellow/green);
  - 4: brown, black, grey, blue (yellow/green);
  - 5: blue, brown, black, grey, black (yellow/green)
- Other colors code available on request



**Conductor stranding:**

Class 5 IEC 60228



**Nominal Voltage Uo/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:**

10 x Outer Diameter

Cross section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2x1,5	15,6	29	422
2x2,5	16,4	48	475
2x4	17,6	77	556
2x6	18,8	115	642
2x10	20,8	192	816
2x16	22,9	307	1045
2x25	26,3	480	1405
2x35	29,2	672	1818
2x50	34,9	960	2512
2x70	38,9	1344	3299
3x1,5	16,2	43	464
3x2,5	17,1	72	528
3x4	18,4	115	626
3x6	19,7	173	734
3x10	21,8	288	960
3x16	24,2	461	1241
3x25	28,4	720	1787
3x35	31,5	1008	2247
3x50	37,6	1440	3197
3x70	41,5	2016	4078
3x95	47,5	2736	5284
3x120	53,9	3456	6659
3x150	57,1	4320	7829
3x185	61,4	5328	9179
3x240	68,5	6912	11611
4x1,5	17,3	58	528
4x2,5	18,2	96	606
4x4	19,7	154	721

Cross section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
4x6	21,2	230	863
4x10	23,6	384	1144
4x16	26,2	614	1498
4x25	30,9	960	2170
4x35	34,5	1344	2764
4x50	41,2	1920	3936
4x70	45,9	2688	5109
4x95	52,1	3648	6567
4x120	59,4	4608	8320
4x150	63,0	5760	9823
4x185	68,0	7104	11584
4x240	76,1	9216	14728
5G1,5	18,4	72	592
5G2,5	19,5	120	687
5G4	21,1	192	832
5G6	22,7	288	1013
5G10	25,4	480	1344
5G16	29,0	768	1872
5G25	34,3	1200	2646
5G35	38,1	1680	3442
5G50	45,5	2400	4789
5G70	50,5	3360	6200
5G95	57,7	4560	8050
5G120	65,4	5760	10125
5G150	69,3	7200	11981
5G185	75,3	8880	14227
5G240	84,0	11520	18058

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](mailto: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