



**Gotham Audio
Cable**

#86215 and #87215 Gotham AC Power Cable DUPLEX SHIELD

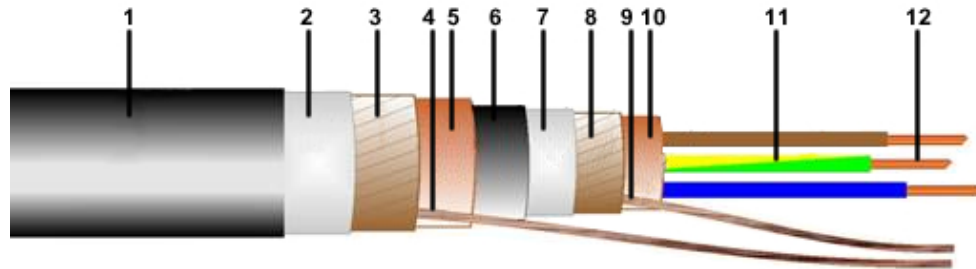
GPC 3x1.50mm² (FRNC)
Multi-Layer DUPLEX Shielded Mains Cable
Stranded (#86215) and Solid Wire (#87215)

In many parts of the world, environmentalists and health professionals are increasingly concerned with an environmental condition commonly labeled as Electromog. Electromog refers to all man-made electromagnetic radiation created and present in our surrounding environment. For years more than a few scientists and organizations have cited electromog as a contributing factor in a variety of diseases and health problems. To some, especially in Europe, Electromog has become a major public health concern. They maintain that if one's goal is to create a healthy and safe living or work environment, then we cannot achieve that without preventive measures against Electromog. Two Swiss experts in the field of electromog protection suggested new shielding concepts to Gotham which are reflected in these Duplex shielded power cables. They see this shielding against electromog as a means to protect human health while also shielding audio equipment from unwanted noise and electromagnetic interference. Power cables are strong transmitters of electromog and this Duplex shielding concept offers the highest level of protection against electromog generated by mains power cabling.

In 2018, Gotham AG introduced 2 new cable designs with an exclusive duplex twin shielding. The separated and isolated dual shields provide best transport of needed AC power to equipment while effective shielding protects nearby signal cabling from hum and EMF noise generated by the 60Hz signal going through the power supply cable. Available as # 86215 with **stranded conductors** and as # 87215 with **solid wire conductors**.

Both feature FRNC jackets which meet European fire rating and environmental standards which are irrelevant to North American electrical codes. Note that unfortunately the FRNC jacket is considerably harder and stiffer than the PVC jacketing used in many cables sold here, and therefore these cables do not exhibit the flexibility that North American users have come to expect from Gotham audio cables.

**Flame retardant FRNC Jacket (IEC 60332-3-24) and EN50266-2-4
Halogen Free IEC 60754-2 and DIN EN 50267-2-21**



| | | | |
|---|--------------------------------|----|--|
| 1 | FRNC outside jacket | 7 | wrapping non-woven fabric tape |
| 2 | wrapping non woven fabric tape | 8 | Reussen shield |
| 3 | Reussen shield | 9 | drain wire stranded |
| 4 | drain wire stranded | 10 | K6160 copper foil shield |
| 5 | K6160 copper foil shield | 11 | conductor insulation (FRNC) 5000V hi-spot |
| 6 | insulation FRNC 4000V hi-spot | 12 | conductor 3c2.5mm ² stranded copper |

12: 87215 has solid conductor! 1.36Ø Solid OFC

Gotham Audio Cable is distributed in the USA and Canada by:

Gotham Audio LLC

P.O. Box 111 • 135 Spring Street, Unit C • Nazareth, PA 18064 USA

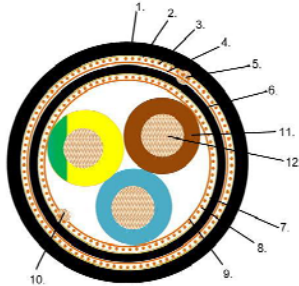
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GPC 3x1.50mm² (FRNC)
Multi-Layer DUPLEX Shielded Mains Cable
Stranded (#86215) and Solid Wire (#87215)



Construction:

| | |
|-----------------------|---|
| 1 = Jacket | FRNC Ø 10.0 mm max., black |
| 2 = Wrapping | Non woven fabric tape |
| 3 = Reussen Shield A1 | Bare copper wires (0.15 mm) 100% coverage S |
| 4 = Shield A2 | K6160 Polyester nonwoven thermally bonded, both sides copper coated (see below) |
| 5 = Drainwire A3 | 16x0, 19mmØ Cu (Ground) bare copper |
| 6 = Insulation | FRNC black. 4000v Hi-Spot Ø 7.0mm max., black |
| 7 = Wrapping | Non woven fabric tape |
| 8 = Reussen Shield B1 | Bare copper wires (0.15 mm) 100% coverage Z |
| 9 = Shield B2 | K6160 Polyester nonwoven thermally bonded, both sides copper coated (see below) |
| 10 = Drainwire B3 | 16x0, 19mmØ Cu (Ground) bare copper |
| 11 = Insulation 3x | FRNC – HI 2, 0.50mm thickness. 5000V Hi-Spot Nominal Diameter 2.40 mm Color code: Blue-Brown-Yellow/Green |
| 12 = Conductor | 1.36mmØ Solid OFC |

Technical Specifications:

| | |
|-----------------------|---------------|
| Conductor resistance: | < 13.3 Ohm/km |
| Rating Voltage: | 300/500V |
| Testing Voltage: | 5000 V eff. |
| Temperature range: | -30°to +70° C |

| Part # | Type | O.D. | Color | Spool Size | Wt./Spool | Case Unit |
|--------|--|---------|-------|------------|-----------|-----------|
| 86215 | GPC Duplex – 3x1.5mm ² FRNC | 10.0 mm | black | 100 m | 18.00 kg | 1 x 100m |
| 87215 | GPC Duplex – 3x1.5mm ² FRNC solid | 10.0 mm | black | 100 m | 18.00kg | 1 x 100m |

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