

## Shielded installation

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### Cable (N)HXXMH(St)-J

#### Application

**Shielded installation cables** for the protection against low-frequency electric fields (LF). With improved properties in the event of fire. For installations over, up, in and under finery, in dry, moistens and wet areas, as well as in the brick-work and concrete. Also suitable for use outside, if protected against sun exposure. Excluded for direct imbedding in vibration, shaking and ramming concrete.



#### Technical data

- **No PVC because of halogen-free polymer mixture** (according to DIN VDE 0250 part 214)
- **Free of plasticizers for ecological constructions**
- Fire retardant according to EN 50266-2-4, EN 60332-1, IEC 60332-3 cat. C
- Nominal voltage  $U_0/U$ : 300/500 V, current load according to VDE 0100
- Construction according to DIN VDE 0250 part 204/209, marking according to DIN VDE 0293
- Test procedures according to DIN VDE 0472, test ac voltage 50 Hz, 3500 V
- Bending radius according to DIN VDE 0298: 4 x D
- Operating temperature -30°C to +70°C, cabling temperature -5°C to +70°C

#### Variants

Wire count / cross section	Outer diameter	Weight	Calorific potential
3 x 1.5 mm <sup>2</sup>	10.2 mm	148 g/m	0.43 kWh/m
3 x 2.5 mm <sup>2</sup>	11.0 mm	187 g/m	0.50 kWh/m
5 x 1.5 mm <sup>2</sup>	11.5 mm	196 g/m	0.58 kWh/m

#### Construction



- ① Solid conductor; ② Insulation: cross linked polyethylene; ③ Common inner covering;  
 ④ (St)-Screen: foil with 1.13 mm wire; ⑤ Outer sheath: halogen free polymer compound;

#### Information on installing

Connect the **ground wiring of the junction box with the ground wiring of the cable** during installation! **Always connect green-yellow with green-yellow**, in no case connect it with the continuity wire! **Protect the bare continuity wire and the foil with insulating tube**. There must not be any conductive components in the junction box! Connect the shield connector = **continuity wire on one side to the earth circuit connector**. Do not use shielded and unshielded cables at the same time.

## Shielded installation

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### Cavity-wall box 59 mm D4461

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. One gang box or switch box for plate thickness from 7-35 mm. Standard mounting distances.



### Cavity-wall box 47 mm D4483

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. One gang box or switch box for plate thickness from 7-35 mm. Standard mounting distances.



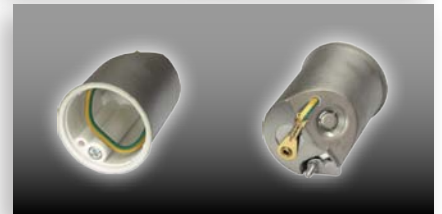
### Junction casing D4505

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. Junction casing for hollow or brick walls. 107 x 107 x 53 mm. Standard mounting distances.



### Cavity-wall lamp connection box D4606

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. Connection box for lamps. Diameter 35 mm, Depth 45 mm. Standard mounting distances.



### In-wall box 61 mm D4426

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. With snap-lock coupling, as one gang box or switch box under plaster. Standard mounting distances.



### In-wall box 41 mm D4448

Shielded with conductive vacuum coating. Connection wire 1.5 mm<sup>2</sup>, solid, isolated. With snap-lock coupling, as one gang box or switch box under plaster. Standard mounting distances.



### Push-wire connector D4628

5 x 1.0 mm<sup>2</sup> up to 2.5 mm<sup>2</sup>. Transparent. 50 pieces.  
Quick attachment.



### Insulation sleeve D4685

Length 10 cm. Transparent for drain wire. 100 pieces.  
For insulation of the blank drain wire of the installation cables.



## Shielded installation

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### Cable (H)05VV-F3G

#### Application

**Shielded, very flexible cable for non-fixed electrical devices** for the protection against low-frequency electric fields (LF). To reduce the magnetic field, the conductors are twisted 15 times per meter!

#### Technical data

- **Nominal voltage : 250 V / 50 Hz**
- **Protection class 1 (with ground wire)**
- Tests according to EN60320/2.2 (ISO 9002)
- VDE registration



#### Variants

Wire section	Outer diameter	Color	Current load according to IEC 320-1
3 x 0.75 mm <sup>2</sup>	6.6 mm	White	6 A
3 x 1.5 mm <sup>2</sup>	8.4 mm	White	16 A

#### Construction



- ❶ Copper conductors fine-stranded; ❷ Insulation: Polyvinylchloride; ❸ Drain wire: Copper: 0.34 mm<sup>2</sup>;  
❹ Screen: Plastic-coated aluminum band; ❺ Outer sheath: Polyvinylchloride;

## Shielded installation

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With cables **(H)05VV-F3G** for the protection against low-frequency electric fields (LF). To reduce the magnetic field, the conductors are twisted 15 times per meter!

### Common technical data

- **Nominal voltage : 250 V / 50 Hz**
- **Protection class 1 (with ground wire)**
- EN60320/2.2 (ISO 9002), VDE-registration
- Current load **0.75 mm<sup>2</sup>: 6 A**
- Current load **1.0 mm<sup>2</sup>: 10 A**
- Current load **1.5 mm<sup>2</sup>: 16 A**

### For the following countries

All **cables, power cords, multiple socket outlets and wall installation sockets** are usable in the following „Schuko“ countries:

**CEE-7/4** (German system): Afghanistan, Algeria, Andorra, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, Estonia, Finland, Germany, Greece, Hungary, Iceland, Indonesia, Italy, Korea, Latvia, Lithuania, Luxembourg, Macedonia, Moldova, Montenegro, Netherlands, Norway, Portugal, Romania, Russia, Serbia, Slovenia, South Korea, Spain, Sweden, Syria, Turkey, Ukraine;

**CEE-7/7** (French system): Belgium, Czech Republic, France, Monaco, Morocco, Poland, Slovakia, Tunisia;

### Power cord D2806

**Lenght 2 m,**  
**Color black,**  
wire diameter 1.0 mm<sup>2</sup>.



### Power cord D3662

**Lenght 3 m,**  
**Color white,**  
wire diameter 1.0 mm<sup>2</sup>.



### Adapter D3223

Adapter (for D2806)  
C13 to two pole C7



### Adapter D3245

Adapter (for D2806)  
C13 to three pole C5



### Extension cable D3640

**Lenght 3 m,**  
**Color black,**  
wire diameter 1.5 mm<sup>2</sup>.



### Extension cable D3425

**Lenght 5 m,**  
**Color white,**  
wire diameter 1.5 mm<sup>2</sup>.



### Plug with free end D2828

**Lenght 2 m,**  
**Color black,**  
wire diameter 1.0 mm<sup>2</sup>.



### Plug with free end D3368

**Lenght 3 m,**  
**Color black,**  
wire diameter 0.75 mm<sup>2</sup>.



### Plug with free end D3381

**Lenght 2 m,**  
**Color white,**  
wire diameter 0.75 mm<sup>2</sup>.



### Plug with free end D2920

**Lenght 4 m,**  
**Color white,**  
wire diameter 0.75 mm<sup>2</sup>.



### Spiral extension cable D3785

**Usable lenght 2 m,**  
(cable lenght 10 m),  
**Color black,**  
wire diameter 1.5 mm<sup>2</sup>.



## Shielded installation

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### Multiple socket outlet D6700 / 4 x

**Professional quality! 4 schuko inserts switched.** Casing: Robust anodized aluminium frame. 2-poled switch. Socket outlets black, 45° positioned with children protection. Shielded VDE-power connection cord: **2 meter, 3 x 1.0 mm<sup>2</sup>**. Integrated decoupling filter. Connection voltage: 250 V / 50 Hz. Current load: 10 A. Size: 317 x 52 x 45 mm. According to standards: CE, VDE, ÖVE. **Optional feature is the mounting angle D6867!**



### Multiple socket outlet D6788 / 9 x

**Professional quality! 9 schuko inserts switched.** Casing: Robust anodized aluminium frame. 2-poled switch. Socket outlets black, 45° positioned with children protection. Shielded VDE-power connection cord: **2 meter, 3 x 1.5 mm<sup>2</sup>**. Integrated decoupling filter. Display for over voltage protection funktion. Connection voltage: 250 V / 50 Hz. Current load: 16 A. Size: 572 x 52 x 45 mm. According to standards: CE, VDE, ÖVE. **Optional feature is the mounting angle D6867!**



### PC multiple socket outlet D6744 / 6 x

**Professional quality! 4 schuko inserts switched, 2 schuko inserts unswitched.** Casing: Robust anodized aluminium frame. 2-poled switch. Socket outlets black, 45° positioned with children protection. Shielded VDE-power connection cord: **2 meter, 3 x 1.0 mm<sup>2</sup>**. Integrated decoupling filter. Display for over voltage protection funktion PRO-TECTOR: Line filter with an attenuation of 50 dBm; HF-filter over 80 MHz. Connection voltage: 250 V / 50 Hz. Current load: 10 A. Size: 572 x 52 x 45 mm. According to standards: CE, VDE, ÖVE. **Optional feature is the mounting angle D6867!**



### Multiple socket outlet SLS4000 / 4 x

**Industrial quality! 4 schuko inserts switched.** Flexible PVC-cable, shielded and twisted (length 2.2 m, 3 x 1.5 mm<sup>2</sup>). With HF-decoupling filter between the socket outlets. The values according to TCO-standards keep well below the statutory limit. With VDE mark, children protection and 2-poled swith. 250 VAC / max. 16 A / 3500 W. Stable aluminium frame with 4 socket outlets 45° positioned. End caps with take-up option. 2 years warranty.

