



IP 20 patch cable cat. 6

## Advantages

- Universal use for PROFINET and Industrial Ethernet cabling in control cabinets
- Compact and space saving plug by HARTINGs Dual-Boot design
- Very robust locking lever protection and unlocking latch
- Reliable data transmission due to high EMC-immunity

## General

The new Cat. 6 S/FTP patch cable completes the HARTING cabling solutions for industrial applications.

It is specially designed for the use in electrical cabinets and fulfills the PROFINET requirements. The design leads to a high flexibility and the innovative two-piece molding features to a good handling and a robust bending protection.

The double screened cable is EMC-safe against the unavoidable emitters in electrical cabinets.

The cable jacket is out of PVC, which is flame retardant and RoHS conform.

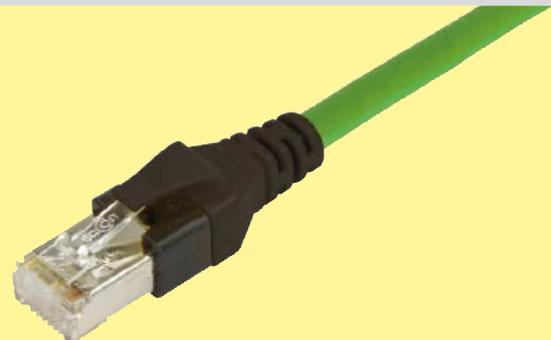
## Identification

## Part number

## Drawing

PROFINET cabinet cord  
4-pair

|       |                    |
|-------|--------------------|
| 0.3 m | 09 48 474 7766 003 |
| 0.5 m | 09 48 474 7766 005 |
| 1.0 m | 09 48 474 7766 010 |
| 1.5 m | 09 48 474 7766 015 |
| 2.0 m | 09 48 474 7766 020 |
| 3.0 m | 09 48 474 7766 030 |
| 5.0 m | 09 48 474 7766 050 |



- RJ45 acc. to IEC 60603-7
- Boot black
- Locking lever protection and unlocking latch
- Cable: S/FTP AWG 26/7
- PVC cable, jacket green
- Wiring 1:1 TIA/EIA-568-B, 8-wire
- 100 % electrical tested

## Technical characteristics

**Performance** Cat. 6 / Class E acc. to ISO/IEC 24702 resp. ISO/IEC 11801, Cat. 6 acc. to IEC 61935-2  
Cable: Cat. 6<sub>A</sub> acc. to IEC 61156-6

### Mechanical characteristics

Bending protection

Locking lever protection

Bending radius Repeated bending radius  $\geq 55$  mm  
Single bending radius  $\geq 30$  mm

Lateral force 1000 N

### Electrical characteristics

Characteristic impedance  $100 \pm 5$  Ohm

Loop resistance  $\leq 290$  Ohm/km

Delay skew  $\leq 20$  ns/100 m

Wiring 1:1 TIA/EIA-568-B

Coupling attenuation  $\geq 80$  dB (segregation class d)

### Environmental characteristics

Protection class IP 20

Flame retardant acc. to IEC 60332-1-2

### Thermal characteristics

Operating temperature  $-20$  °C ...  $+70$  °C

### Printing

“PROFINET Cabinet Cord 4-pair”

### Packaging

One piece in poly-bag, labelled