

HARTING PROFINET Type A Cable 4-wire, Cat. 5, PVC



PROFINET Type A Cable 4-wire, Cat. 5, PVC

Advantages

- Suitable for PROFINET cabling Category 5 / Class D according to ISO/IEC 11801 respectively EN 50173 and ISO/IEC 24702 respectively EN 50173-3
- Capable fixed installation
- Applicable for industrial premises
- RoHS conform, UL listed, flame retardant

General

This data cable is suitable for PROFINET cabling according to type A in industrial premises and areas. It is useable for fixed installation. The core is fitted with 4 wires twisted to quad that allows the transmission of Fast Ethernet 10/100Mbit/s. It is designed for fast assembling with the easy-stripping tool and can be assembled with all HARTING 4-pole RJ45 connectors.

Description

PROFINET Type A Cable
4-wire, Cat. 5, PVC

20 m ring
50 m ring
100 m ring
500 m reel

Order number

09 45 600 0130
09 45 600 0140
09 45 600 0100
09 45 600 0110



- Wire: Solid bare copper AWG 22/1
- Insulation: : PE Ø 1.5 mm
- Inner sheath: Polyvinylchloride (PVC)
- Overall screen: Aluminate foil overlapped, tinned copper wire braid, braid coverage about 90%
- Outer sheath: Polyvinylchloride (PVC), flame retardant

Color code: wh, ye, bu, or
Color of inner sheath: white
Color of outer sheath: green, RAL 6018
Overall diameter: 6.3 mm – 6.7 mm

All data given are in line with the actual state of art and therefore not binding.
HARTING reserves the right to modify designs without giving the relevant reasons.

Technical Characteristics

Performance

Category 5 according to EN 50288-2-1:2003, IEC 61156-5:2002

Mechanical Characteristics

Minimal bending radius

During installation: 7,5 x diameter

After installation: 3 x diameter

Tensile strength

max. 150 N

Electrical Characteristics at 20 °C

Surface transfer impedance at 10 MHz

10 mOhm/m

Loop resistance

max. 115 Ohm/km

Insulation resistance

min. 500 MOhm*km

Signal runtime

5.3 ns/m

Characteristic impedance at 100 MHz

100 Ohm +/- 5 Ohm

Test voltage (wire/wire/screen rms 50 Hz
1min)

2000 V

Chemical Characteristics

Flame retardant

IEC 60332-1-2

Free of hazardous substances

RoHS 2002/95/EG

Limited oil resistance

Sunlight resistant

UL 1581 Sec.1200

Thermal Characteristics

Permissible temperature range

- 40 °C to + 75 °C

During laying

- 20 °C to + 60 °C

Printing

HARTING INDUSTRIAL ETHERNET STANDARD CABLE CAT 5 PLUS *
22AWG (SHIELDED) (UL) E119100 VERIFIED CAT 5E CMG 75°C or
PLTC or AWM 20201 600V FT4 SUN RES * 094560001000100 "sequential
length in metres" * "year/internal order number" "HARTING-LOGO"

Weight about

66 kg/km

Technical Characteristics

Frequency MHz	Attenuation dB/100m		NEXT dB	
	typ.	Cat 5 max*	typ.	Cat 5 min*
1	1.6	2.1	80	65.3
4	3.2	4.0	75	56.3
10	5.2	6.3	70	50.3
16	6.9	8.0	65	47.2
20	7.8	9.0	63	45.8
31.25	10.5	11.4	60	42.9
62.5	15	16.5	55	38.4
100	19.5	21.3	50	35.3

* EN 50288-2-1:2003

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Multi-Conductor Cables](#) category:

Click to view products by [HARTING](#) manufacturer:

Other Similar products are found below :

[8916-GRY-100](#) [8917-BLK-100](#) [8917-GRN/YEL-100](#) [8918-GRN/YEL-100](#) [8920-BRN-1000](#) [8920-RED-1000](#) [89907-LT-DEC/GRY-500](#)
[CR3909-000](#) [CR3927-000](#) [01342.35T.01](#) [01364.35T.01](#) [003201-000](#) [CS2885-000](#) [CS8782-000](#) [CS9912-000](#) [6200UE-NAT-U1000](#) [CTC-](#)
[0062-20-9/5-9](#) [CTC-0062-22-9/5-9](#) [6304FE-877-U500](#) [6309UE-877-1000](#) [6320UE-NAT-U1000](#) [644833-000](#) [6502FE 8771000](#) [6504UE-877-](#)
[U1000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-](#)
[9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [706/2R-BLACK-EACH](#) [720451-000](#) [730859-000](#) [MCC-USB-4-250](#) [752687-000](#)
[768146-000](#) [773159-000](#) [7934A-BLK-1000](#) [8125-CHR-100](#) [8164-CHR-1000](#) [820457-000](#) [8205-CHR-1000](#) [8240-BLK-U1000](#) [82723-NAT-](#)
[1000](#) [82907-NAT-500](#) [83003-YEL-500](#) [83005-WHT-500](#) [83006-DK-GRN-100](#)