

## PROFINET TypB Cat6A 4x2xAWG23/7 PVC 100m

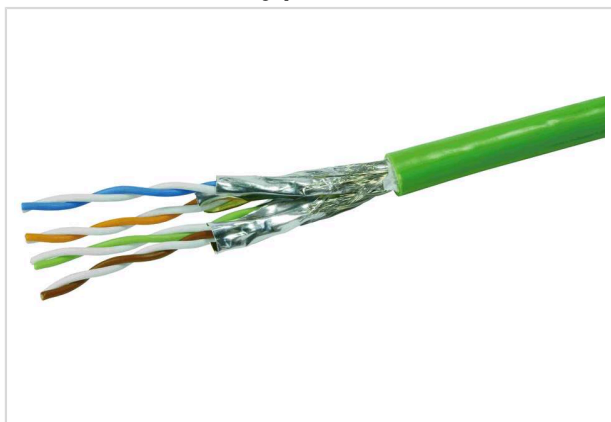


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Part number	09 45 600 1231
Specification	PROFINET TypB Cat6A 4x2xAWG23/7 PVC 100m
HARTING eCatalogue	<a href="https://b2b.harting.com/09456001231">https://b2b.harting.com/09456001231</a>

### Identification

Category	System cabling
Element	Bulk cables
Specification	Not assembled
Type of cable	Copper cable (round)
Description of the cable	Flame retardant UV resistant
Printing on cable	HARTING INDUSTRIAL ETHERNET STANDARD CABLE CAT6A * 4x2xAWG23/7 (SHIELED) „RU“ AWM Style 21695 094560001080200 „sequential length in metres“ * „year/internal order number“

### Version

Cable length	100 m
Number of cores	8
Core structure	4x 2x AWG 23/7

### Technical characteristics

Transmission characteristics	Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Limiting temperature	-40 ... +80 °C unmoved -40 ... +80 °C moved
Cable diameter	8.7 mm



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## Technical characteristics

Minimum bending radius	8x Cable diameter (repeated bending) 4x Cable diameter (singular bending)
Conductor resistance @ 20 °C	≤75 Ω/km
Insulation resistance @ 20 °C	≥500 MΩ x km
Signal run time @ 20 °C	≤5.13 ns/m
Impedance @ 100 MHz	100 Ω ±5 %

## Material properties

Material (cable)	PVC
Colour (cable)	Green
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained

## Specifications and approvals

Specifications	UN/ECE-R 118 fire protection for rolling stock UL style 21695 IEC 60332-1-2 Flame retardancy
Standards	PROFINET
PROFINET	Yes

## Commercial data

Packaging size	1
Net weight	8,869 g
Net weight	81 g/m
Country of origin	Germany
European customs tariff number	85444290
GTIN	5713140062290
ETIM	EC003249
eCl@ss	27061801 Data and communication cable (copper)