

PROFIBUS

Electrical networks (RS485)

ECOFAST bus cables

Overview



In the ECOFAST system, all operational devices are connected to PROFIBUS DP using the bus cables.

The bus cable is implemented as a hybrid cable and contains:

- PROFIBUS DP in copper RS 485;
- Four additional copper cores for carrying 24 V DC:
 - 24 V DC, not switched (for electronics and inputs)
 - 24 V DC, switched (for outputs, disconnectable e.g. for EMERGENCY OFF)

The ECOFAST hybrid cables are sold by the meter or in fixed lengths preassembled with ECOFAST connector (Han Brid) and socket.

Ordering data

Order No.

PROFIBUS ECOFAST Hybrid Cable - Cu

Trailing cable (PUR sheath), with two shielded Cu wires for PROFIBUS DP plus four Cu wires of 1.5 mm²

Sold by the meter;
max. quantity 1000 m;
minimum order 20 m;

Not pre-assembled

- 20 m
- 50 m
- 100 m

Pre-assembled
with ECOFAST male and female connectors, fixed length

- 0,5 m
- 1,0 m
- 1,5 m
- 3 m
- 5 m
- 10 m
- 15 m
- 20 m
- 25 m
- 30 m
- 35 m
- 40 m
- 45 m
- 50 m

Pre-assembled
with two ECOFAST connectors, variable length

6XV1 830-7AH10

6XV1 830-7AN20

6XV1 830-7AN50

6XV1 830-7AT10

6XV1 830-7BH05

6XV1 830-7BH10

6XV1 830-7BH15

6XV1 830-7BH30

6XV1 830-7BH50

6XV1 830-7BN10

6XV1 830-7BN15

6XV1 830-7BN20

6XV1 830-7BN25

6XV1 830-7BN30

6XV1 830-7BN35

6XV1 830-7BN40

6XV1 830-7BN45

6XV1 830-7BN50

Ordering data (continued)

Order No.

PROFIBUS ECOFAST Hybrid Cable GP

Trailing cable with 4 x Cu and 2 x Cu, shielded, with UL approval

Sold by the meter;
max. quantity 1000 m;
minimum order 20 m;

Not pre-assembled

- 20 m
- 50 m
- 100 m

6XV1 860-2P

6XV1 860-4PN20

6XV1 860-4PN50

6XV1 860-4PT10

Pre-assembled
with ECOFAST male and female connectors

- 0.5 m
- 1 m
- 1.5 m
- 3 m
- 5 m
- 10 m
- 15 m
- 20 m
- 25 m
- 30 m
- 35 m
- 40 m
- 45 m
- 50 m

6XV1 860-3PH05

6XV1 860-3PH10

6XV1 860-3PH15

6XV1 860-3PH30

6XV1 860-3PH50

6XV1 860-3PN10

6XV1 860-3PN15

6XV1 860-3PN20

6XV1 860-3PN25

6XV1 860-3PN30

6XV1 860-3PN35

6XV1 860-3PN40

6XV1 860-3PN45

6XV1 860-3PN50

Additional components

PROFIBUS Cu bus connector

with 2 x Cu shielded and 4 x Cu 1.5 mm²; type of contact: POF, Han D for 24 V; tool: crimping tool, polishing set; 5 units; with assembly instructions

- with pin insert
- with socket insert

6GK1 905-0CA00

6GK1 905-0CB00

PROFIBUS ECOFAST Hybrid Plug angled;

with 2 x Cu shielded and 4 x Cu 1.5 mm²; 5 units; with installation instructions

- Male pins
- Female pins;

6GK1 905-0CC00

6GK1 905-0CD00

ECOFAST Terminating Plug

Bus termination plug-in connector for PROFIBUS DP; with 2 x Cu and 4 x Cu 1.5 mm²; male pins, integrated termination resistors

- Pack of 1
- Pack of 5

6GK1 905-0DA10

6GK1 905-0DA00

Data T piece

For 2 x 24 V auxiliary voltage (switched and non-switched) and PROFIBUS DP

- for Cu RS 485
- for fiber-optic cable

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3RK1 911-2AG00

G

3RK1 911-2AH00

Addressing plug

For setting the PROFIBUS DP addresses

6ES7 194-1KB00-0XA0

G) Subject to export regulations: AL: N and ECCN: EAR99