

Siemens 6XV1850-0BN30 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation ITP Standard Cable 9/15

Description

6XV1850-0BN30

Product type designation ITP Standard Cable 9/15

Product description Industrial Twisted Pair cable (4-core), preferred length, preassembled with one 9-pole and one 15-pole D-sub connector
SIMATIC NET, ITP STANDARD CABLE 9/15 FOR INDUSTRIAL ETHERNET ITP STANDARD CABLE, PREASSEMBLED WITH 1X 9-PIN AND 1 X 15-PIN ITP CONNECTOR, FOR CONNECTING TERMINALS W. ITP INTERF. TO ACT. ITP NETWORK COMPONENTS, LENGTH: 30 M

Suitability for use Used in the construction of Industrial Twisted Pair (ITP) networks

Cable designation J-02YSCY 9x2x0.4+1x5 FIMT ITP

Cable length 30 m

Electrical data

Damping ratio per length

- at 10 MHz / maximum 0.057 dB/m
- at 100 MHz / maximum 0.18 dB/m
- at 300 MHz / maximum 0.31 dB/m

Impedance

- at 1 MHz ... 100 MHz 100 Ω
- at 100 MHz ... 300 MHz 100 Ω

Relative symmetrical tolerance

- of the characteristic impedance at 1 MHz ...

100 MHz

15 %

- of the characteristic impedance at 100 MHz ...

300 MHz

45 %

Transfer impedance per length / at 10 MHz 2 m Ω /m

Loop resistance per length / maximum 124 m Ω /m

Insulation resistance coefficient 5000 G Ω ·m

Operating voltage

- RMS value 165 V
- maximum 225 V

Mechanical data

Number of electrical cores 4

Design of the shield Overlapped aluminum-clad foil (for each core), sheathed in an

overall braided shield of tin-plated copper wires

Core diameter

- of AWG22 core 0.64 mm

Outer diameter

- of inner conductor 0.64 mm
- of the wire insulation 1.5 mm

Width / of cable sheath 9.2 mm

Symmetrical tolerance of width / of cable sheath 0.5 mm

Thickness / of cable sheath 6 mm

Symmetrical tolerance of thickness / of cable sheath 0.5 mm

Material

- of the wire insulation PE
- of cable sheath PVC

Color

- of the insulation of data wires white/blue, white/orange
- of cable sheath green

Bending radius

- with single bend / minimum permissible 30 mm
- with multiple bends / minimum permissible 45 mm

Tensile load / maximum 80 N

Weight per length 96 kg/km

Permitted ambient conditions

Ambient temperature

- during operation -40 ... +70 °C
- during storage -40 ... +70 °C
- during transport -40 ... +70 °C
- during installation -40 ... +70 °C

Burning behavior flame resistant according to IEC 60332-1

Chemical resistance

- to mineral oil oil resistant according to IEC 60811-2-1 (4 h / 70°C)
- to grease Conditional resistance

Protection class IP IP20

Product properties, functions, components / general

Product property

- halogen-free No
- silicon-free Yes

Standards, specifications, approvals

Marine classification association

- American Bureau of Shipping Europe Ltd.
(ABS)

No

- Bureau Veritas (BV) No
- Det Norske Veritas (DNV) No
- Germanische Lloyd (GL) No
- Lloyds Register of Shipping (LRS) No
- Nippon Kaiji Kyokai (NK) No
- Polski Rejestr Statkow (PRS) No

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