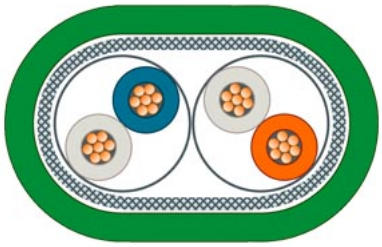
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## Data sheet 6XV1850-2HH20

| | |
|---|---|
| **product type designation** | **IE TP XP cord RJ45/RJ45, crossed** |
| product description | Crossover patch cable, preferred length, preassembled with two RJ45 connectors (10/100MB) |
| | Industrial Ethernet TP XP Cord RJ45/RJ45, TP cord pre-assembled with 2 RJ45 plug, send and receive line crossed, length 2 m. |



| | |
|---|---|
| suitability for use | Easy connection of terminal devices to the IE FC cabling system |
| cable designation | LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN |
| wire length | 2 m |
| **electrical data** | |
| number of electrical connections | 2 |
| attenuation factor per length | |
| ● at 10 MHz / maximum | 0.09 dB/m |
| ● at 100 MHz / maximum | 0.285 dB/m |
| ● at 300 MHz / maximum | 0.495 dB/m |
| ● at 600 MHz / maximum | 0.75 dB/m |
| impedance | |
| ● at 1 MHz ... 100 MHz | 100 Ω |
| ● at 10 MHz … 600 MHz | 100 Ω |
| relative symmetrical tolerance | |
| ● of the characteristic impedance at 1 MHz … 100 MHz | 15 % |
| ● of the characteristic impedance at 10 MHz … 600 MHz | 6 % |
| transfer impedance per length / at 10 MHz | 10 mΩ/m |
| loop resistance per length / maximum | 300 mΩ/m |
| insulation resistance coefficient | 150 GΩ·m |
| operating voltage | |
| ● RMS value | 80 V |
| **mechanical data** | |
| number of electrical cores | 4 |
| design of the shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires |
| core diameter | |
| ● of AWG26 insulated conductor | 0.48 mm |
| outer diameter | |
| ● of inner conductor | 0.48 mm |
| ● of the wire insulation | 0.98 mm |
| width / of cable sheath | 5.8 mm |
| symmetrical tolerance of width / of cable sheath | 0.2 mm |
| thickness / of cable sheath | 3.7 mm |
| symmetrical tolerance of thickness / of cable sheath | 0.2 mm |
| material | |
| ● of the wire insulation | polyethylene (PE) |
| ● of cable sheath | PVC |
| color | |


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| | |
|---|---|
| ● of the insulation of data wires | white/blue, white/orange |
| ● of cable sheath | green |
| bending radius | |
| ● with single bend / minimum permissible | 24 mm |
| ● with multiple bends / minimum permissible | 42 mm |
| weight per length | 32 kg/km |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +70 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| ● during installation | -40 ... +70 °C |
| fire behavior | flame resistant according to IEC 60332-2-1 |
| 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 features, product functions, product components / general** | |
| product feature | |
| ● halogen-free | No |
| ● silicon-free | Yes |
| **standards, specifications, approvals** | |
| UL/ETL listing / 300 V Rating | No |
| UL/ETL style / 600 V Rating | No |
| certificate of suitability | |
| ● EAC approval | Yes |
| ● UL approval | Yes |
| standard for structured cabling | Cat5 |
| Marine classification association | |
| ● American Bureau of Shipping Europe Ltd. (ABS) | No |
| ● French marine classification society (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 |
| reference code | |
| ● according to IEC 81346-2 | WG |
| ● according to IEC 81346-2:2019 | WGB |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

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