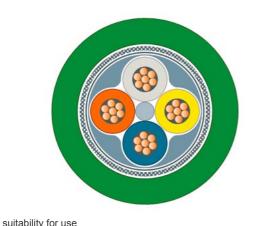
SIEMENS

Data sheet 6XV1871-2F

product type designation

product description



IE FC TP FRNC Cable GP 2x2 (Type B)

Flexible halogen-free bus cable acc. to IEC 60754-1/2 (4-core), sold by the meter, unassembled

Industrial Ethernet FC TP FRNC GP cable TP installation cable for connection to FC outlet RJ45, 4-core, shielded, Cat5e, sold by the meter, delivery unit max. 4000 m, minimum order quantity 20 m.

| suitability for use | For occasionally moved machine parts |
|---|--|
| cable designation | L-9YH (ST) CH 2x2x0,34/1,5-100 GN VZN FRNC SF/UTP |
| electrical data | |
| attenuation factor per length | |
| • at 10 MHz / maximum | 0.06 dB/m |
| • at 100 MHz / maximum | 0.22 dB/m |
| impedance | |
| ● at 1 MHz 100 MHz | 100 Ω |
| relative symmetrical tolerance | |
| • of the characteristic impedance at 1 MHz 100 MHz | 15 % |
| near-end crosstalk per length | |
| ● at 1 MHz 100 MHz | 0.5 dB/m |
| transfer impedance per length / at 10 MHz | 10 mΩ/m |
| loop resistance per length / maximum | 120 mΩ/m |
| operating voltage | |
| RMS value | 80 V |
| NVP value in percent | 69 % |
| nechanical data | |
| number of electrical cores | 4 |
| design of the shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires |
| type of electrical connection / FastConnect | Yes |
| core diameter | |
| of AWG22 insulated conductor | 0.75 mm |
| outer diameter | |
| of inner conductor | 0.75 mm |
| of the wire insulation | 1.5 mm |
| of the inner sheath of the cable | 3.9 mm |
| of cable sheath | 6.5 mm |
| symmetrical tolerance of the outer diameter / of cable sheath | 0.2 mm |
| material | |
| of the wire insulation | PP |
| of the inner sheath of the cable | FRNC |
| of cable sheath | FRNC |
| color | |
| of the insulation of data wires | white/yellow/blue/orange |
| of cable sheath | green |
| bending radius | |

| sured at 20 °C, tests according to DIN VDE 0472 |
|---|
| to IEC 60332-3-22 (Category A/F), IEC 61034-2 |
| |
| |
| EC 60811-2-1 (4 h / 70°C) |
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| ing to IEC 60754-1/2 |
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| |
| TC / Sun Res / OIL RES |
| AWM I A/B 60°C 600V FT2 |
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