SIEMENS

Data sheet

6XV1870-2B

product description	Flexible bus cable (4-core), sold by the meter, unassembled
	Industrial Ethernet FC TP flexible cable, GP 2x2 (PROFINET Type B), TP installation cable with flexible cores, PROFINET type B, 4-core, shielded, Cat5, sold by the meter, delivery unit max. 2500 m minimum order quantity 20 m.
suitability for use	For occasionally moved machine parts
cable designation	2YY (ST) CY 2x2x0,75/1,5-100 LI GN SF/UTP
electrical data	
attenuation factor per length	
• at 10 MHz / maximum	0.06 dB/m
• at 100 MHz / maximum	0.21 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	20 mΩ/m
loop resistance per length / maximum	120 mΩ/m
operating voltage • RMS value	80 V
NVP value in percent	66 %
mechanical data	00 //
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	netvettulene (DE)
 of the wire insulation of the inner sheath of the cable 	polyethylene (PE) PVC
 of the inner sheath of the cable of cable sheath 	PVC
o lo cable sheath	
of the insulation of data wires	white/yellow/blue/orange
	white year white or ange
of cable sheath bending radius	green

With multiple beds/ minimum permissible S2 mm Weight par kength weight par kength markent conditions ambient conditions ambient conditions ambient conditions ambient conditions advance provide advance		50 mm
weight per length 68 kg/km antibient conditions -25+75 °C adving operation -25+75 °C - during storage -25+75 °C - during transport -26+76 °C - to minerail oil -26+76 °C - to water -26 rediction resistance -26 + to water -26	with multiple bends / minimum permissible	52 mm
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ambient temperature -25 +75 °C • during storage -25 +75 °C • during installation -10 +75 °C • during installation -10 +75 °C • note -25 +75 °C • during installation -10 +60 °C • note -10 +60 °C • to mineral off -10 +60 °C • to menal off -10 +60 °C • to water -10 off resistant according to UL 1685 (CSA FT 4) class of burning behaviour / according to EN 13501-6 -10 +60 °C • to water -10 off resistant according to UEC 60811-404 (7x24N90°C) conditional resistance -20 of resistant according to UEC 60811-404 (7x24N90°C) conditional resistance -20 of resistant according to UEC 60811-404 (7x24N90°C) conditional resistance -20 of resistant according to UL 1685 (CSA FT 4) conditional resistance -20 of resistant according to UEC 60811-404 (7x24N90°C) conditional resistance -20 of resistant according to UEC 60811-404 (7x24N90°C) conditional resistance -20 of resistant according to UEC 6081		ьх кg/кm
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• during installation • note •	 during storage 	-25 +75 °C
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