SIEMENS

ALL DISCOURSE OF THE OWNER

Data sheet

product type designation product description

6XV1878-2A

suitability for use	Standard cable with rigid cores for fast, permanent installation
cable designation	2YH (ST) CY 4x2x0,5/1,0 GN
electrical data	
attenuation factor per length	
• at 10 MHz / maximum	0.058 dB/m
• at 100 MHz / maximum	0.191 dB/m
• at 250 MHz / maximum	0.311 dB/m
• at 300 MHz / maximum	0.343 dB/m
• at 500 MHz / maximum	0.453 dB/m
impedance	
• at 1 MHz 100 MHz	100 Ω
near-end crosstalk per length	
• at 1 MHz 100 MHz	0.453 dB/m
• at 1 MHz 250 MHz	0.393 dB/m
• at 1 MHz 300 MHz	0.381 dB/m
• at 1 MHz 500 MHz	0.348 dB/m
coupling loss / at 30 MHz 100 MHz / minimum	80 dB
transfer impedance per length / at 10 MHz	20 mΩ/m
loop resistance per length / maximum	190 mΩ/m
insulation resistance coefficient	5000 GΩ·m
operating voltage	
RMS value	80 V
• maximum	80 V
NVP value in percent	67 %
mechanical data	
number of electrical cores	8
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 AWG24 insulated conductor 	0.51 mm
outer diameter	
of inner conductor	0.51 mm
of the wire insulation	1 mm
 of the inner sheath of the cable 	6.1 mm
of cable sheath	8 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	

IE FC TP Standard Cable GP 4x2 (AWG 24, Type C)

Shielded TP installation cable (8-core), sold by the meter, unassembled

Industrial Ethernet FastConnect TP standard cable GP 4x 2, TP installation CAT6A cable for connection to IE FC RJ45 plug 4x 2, AWG24, sold by the meter, delivery unit max. 2000 m minimum order quantity 20 m.

• (f rable shout) PC color white-blue/blue, white-orange/orange, white-green/green, white-brown/brown/ green • (if the insulation of data wires white-blue/blue, white-orange/orange, white-green/green, white-brown/brown/ green • whith angle bend / minimum permissible 20 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 40 mm • whith angle bend / minimum permissible 50 mm • whith angle bend / minimum permissib	 of the wire insulation 	polyethylene (PE)
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	color	
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Image: Index Control State 100 N weight per length 74.5 kg/km ambient conditions	with multiple bends / minimum permissible	40 mm
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