# SIEMENS

## Data sheet

## 6XV1878-5TH20

product type designation product description

#### IE TP Cord M12-180/RJ45-180

Flexible plug-in cable (8-wire), preferred length, pre-assembled with 1 x IE M12 plug 4X2, X-coded, 180 degrees cable outlet and 1x RJ45 connector; 4x2, 180 degrees cable outlet

IE TP Cord M12-180/RJ45-180 pre-assembled IE Flexible Cable with 1x M12 plug (X-coded) 180 degrees cable outlet and 1x RJ45 plug; 180-degree cable outlet; length 2.0 m.



suitability for use	For connecting Industrial Ethernet stations with an M12 interface (e.g. SCALANCE W and SCALANCE X)
wire length	2 m
electrical data	
number of electrical connections	2
attenuation factor per length	
• at 10 MHz / maximum	0.086 dB/m
• at 100 MHz / maximum	0.28 dB/m
• at 300 MHz / maximum	0.402 dB/m
• at 600 MHz / maximum	0.735 dB/m
impedance	
• at 1 MHz 100 MHz	100 Ω
near-end crosstalk per length	
• at 100 MHz	0.724 dB/m
• at 300 MHz	0.653 dB/m
• at 600 MHz	0.608 dB/m
loop resistance per length / maximum	290 mΩ/m
insulation resistance coefficient	5000 GΩ·m
operating voltage	
RMS value	80 V
NVP value in percent	68 %
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	No
core diameter	
<ul> <li>of AWG26 insulated conductor</li> </ul>	0.48 mm
outer diameter	
<ul> <li>of the wire insulation</li> </ul>	1 mm
<ul> <li>of the inner sheath of the cable</li> </ul>	5.4 mm
of cable sheath	6.5 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material	
of the wire insulation	polyethylene (PE)
of cable sheath	PUR
color	

te/green, white/brown
EC 60332-1-2, smoke density according to IEC
EN 60811-2-1
EN 00011-2-1
ens.com/cs/ww/en/view/109766358
cloud
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ens.com/bilddb
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ind solutions with industrial cybersecurity functions ation of plants, systems, machines and networks. tems, machines and networks against cyber olement – and continuously maintain – a holistic, ersecurity concept. Siemens' products and uent of such a concept. Customers are responsible access to their plants, systems, machines and chines and components should only be connected he internet if and to the extent such a connection is

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#### Approvals / Certificates

**General Product Approval** 

Declaration of Conformity

CE EG-Konf. Manufacturer Declaration

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