# **SIEMENS**

**Data sheet** 6XV1878-5TN15

## 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; 1x RJ45 plug; 180-degree cable outlet; length



suitability for use	For connecting Industrial Ethernet stations with an M12 interface (e.g. SCALANCE W and SCALANCE X)
wire length	15 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 %
nechanical 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	
of the wire insulation	1 mm
of the inner sheath of the cable	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

white/blue, white/orange, white/green, white/brown green  32.5 mm  65 mm  100 N  45 kg/km  -30 +80 °C  -40 +80 °C  -40 +80 °C  -40 +80 °C  flame resistant according to IEC 60332-1-2, smoke density according to IEC 61034
32.5 mm 65 mm 100 N 45 kg/km  -30 +80 °C -40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
65 mm  100 N  45 kg/km  -30 +80 °C  -40 +80 °C  -40 +80 °C  -40 +80 °C  flame resistant according to IEC 60332-1-2, smoke density according to IEC
65 mm  100 N  45 kg/km  -30 +80 °C  -40 +80 °C  -40 +80 °C  -40 +80 °C  flame resistant according to IEC 60332-1-2, smoke density according to IEC
100 N 45 kg/km  -30 +80 °C -40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
45 kg/km  -30 +80 °C  -40 +80 °C  -40 +80 °C  -40 +80 °C  flame resistant according to IEC 60332-1-2, smoke density according to IEC
-30 +80 °C -40 +80 °C -40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
-40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
-40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
-40 +80 °C -40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
-40 +80 °C -40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
-40 +80 °C flame resistant according to IEC 60332-1-2, smoke density according to IEC
flame resistant according to IEC 60332-1-2, smoke density according to IEC
oil resistant according to DIN EN 60811-2-1
Conditional resistance
conditional resistance
resistant
IP65/67 (M12), IP20 (RJ45)
al
Yes
Yes
Yes; AWM Style 21815
No
ISO/IEC 11801-1, IEC 61035
Yes
Yes
Yes
Cat6A
No
110
WG
WGB
WOD
https://support.industry.siemens.com/cs/ww/en/view/109766358
https://www.siemens.com/tstcloud
https://sieportal.siemens.com/
https://www.automation.siemens.com/bilddb
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### Approvals / Certificates

### **General Product Approval**

Declaration of Conformity



Manufacturer Declaration

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