## **SIEMENS**

Data sheet 6XV1878-5TH30

## product type designation

## product description

suitability for use

## 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 degrees cable outlet; length 3.0 m.

For connecting Industrial Ethernet stations with an M12 interface (e.g.



SCALANCE W and SCALANCE X)
3 m
2
0.086 dB/m
0.28 dB/m
0.402 dB/m
0.735 dB/m
100 Ω
0.724 dB/m
0.653 dB/m
0.608 dB/m
290 mΩ/m
5000 GΩ·m
80 V
68 %
8
Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
No
0.48 mm
1 mm
5.4 mm
6.5 mm
0.3 mm
polyethylene (PE)
polyethylene (PE) PUR

of the insulation of data wires	white/blue, white/orange, white/green, white/brown
of cable sheath	green
bending radius	9.00.1
with single bend / minimum permissible	32.5 mm
with multiple bends / minimum permissible	65 mm
tensile load / maximum	100 N
weight per length	45 kg/km
ambient conditions	TO NOTATI
ambient temperature	
during operation	-30 +80 °C
during operation     during storage	-40 +80 °C
during storage     during transport	-40 +80 °C
during transport     during installation	-40 +80 °C
fire behavior	
ille bellavioi	flame resistant according to IEC 60332-1-2, smoke density according to IEC 61034
chemical resistance	
• to mineral oil	oil resistant according to DIN EN 60811-2-1
• to grease	Conditional resistance
• to water	conditional resistance
radiological resistance / to UV radiation	resistant
protection class IP	IP65/67 (M12), IP20 (RJ45)
product features, product functions, product components / gene	eral
product feature	
• halogen-free	Yes
• silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; AWM Style 21815
UL/ETL style / 600 V Rating	No
certificate of suitability	
EAC approval	Yes
• CE marking	Yes
RoHS conformity	Yes
standard for structured cabling	Cat6A
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	No
French marine classification society (BV)	No
Det Norske Veritas (DNV)	No
Germanische Lloyd (GL)	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (NK)	No
Polski Rejestr Statkow (PRS)	No
reference code	
according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB
further information / internet links	
internet link	
to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
to web page. selection and The Selection Tool     to website: Industrial communication	http://www.siemens.com/simatic-net
to website: Industrial communication     to website: Industry Mall	https://mail.industry.siemens.com
to website: Information and Download Center	http://www.siemens.com/industry/infocenter
to website: Information and Download Center      to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
to website: Selection guide for cables and connectors     to website: Image database	http://automation.siemens.com/bilddb
to website: Image database     to website: Industry Online Support	https://support.industry.siemens.com
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last modified: 5/10/2022 **3**