## **SIEMENS**

Data sheet 6XV1878-2AU10

## product type designation

product description



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

Shielded TP installation cable (8-wire), preferred length, unassembled

IE FastConnect TP standard GP cable 4x 2 (Type C); TP Installation cable CAT6A for connection to IE FC RJ45 Plug 4x 2; AWG24; delivery unit 1000 m.

suitability for use	Standard cable with rigid cores for fast, permanent installation
cable designation	2YH (ST) CY 4x2x0,5/1,0 GN
wire length	1000 m
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	
<ul> <li>of AWG24 insulated conductor</li> </ul>	0.51 mm
outer diameter	
<ul> <li>of inner conductor</li> </ul>	0.51 mm
<ul> <li>of the wire insulation</li> </ul>	1 mm
<ul> <li>of the inner sheath of the cable</li> </ul>	6.1 mm
of cable sheath	8 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm

of the wire insulation of the inner sheath of the cable of cable sheath PVC  or of the insulation of data wires of cable sheath of cable sheath ending adus  with single bend / minimum permissible with multiple bends / minimum permissible w		
of cable sheath     defended sheath     d	material	
of cable sheath  color  of the insulation of data wires of cable sheath ending radius  white-blue/blue, white-orange/orange, white-green/green, white-brown/brown green bending radius  with single bend / minimum permissible owth single bend / minimum permissible with single bend / minimum permissible owth multiple bends / minimum permissible multiple owth multiple bends / minimum permissible owth multiple		
color  • of the insulation of data wires • of cable sheath conding radius • with sligic bend / minimum permissible • with multiple bends / minimum permissible • within minimum permissible • with multiple bends • with standard of strains • with standard of st	<ul> <li>of the inner sheath of the cable</li> </ul>	FRNC
of cable sheath of minimum permissible owth multiple bends / minimum permissible owth multiple permission of the minimum permissible owth multiple permission of the minimum permissible owth multiple permission owth	of cable sheath	PVC
bending radius  with multiple bends / minimum permissible  with multiple bends / minimum permissible  with multiple bends / minimum permissible  whith multiple bends / minimum permissible  / whith multiple bends / minimum permissible  whith multiple bends / minimum permissible  / whith multiple bends / minimum permissible / minimum permissible minimum permissible / minimu	color	
bending radius  with single bend / minimum permissible  with multiple bends / minimum permissible  with multiple bends / minimum permissible  and multiple bends / minimum permissible  tensile load / maximum  10 N  weight per length  mblent conditions  ambient temperature  outing portation  during storage  outing storage  outing storage  outing storage  outing storage  outing storage  outing installation  ambient condition / for operation  free behavior  dams of burning behaviour / according to EN 13501-8  Chemical resistance  out mineral oil  out prease  to water  conditional resistance  outing installation  outing storage  outing	<ul> <li>of the insulation of data wires</li> </ul>	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
with single bend / minimum permissible	of cable sheath	green
ewith multiple bends / minimum permissible tensile load / maximum (100 N weight per length 76 kg/km (100 N) weight 76 kg/km (100 N) we	bending radius	
tensile load / maximum	<ul><li>with single bend / minimum permissible</li></ul>	24 mm
weight per length ambient conditions ambient temperature  • during peration • during storage • during installation ffre behavior flie behavior class of burning behaviour / according to EN 13501-6 • Eca • to mineral oil • to grease • to water • to water • to water • to water • to distance, but of the total conditional resistance • out or sistance • to water • to water • to distance, product functions, product components / general  product features • halogen-free • halogen-free • halogen-free • halogen-free • with 100BaseTX • with 100BaseTX • with 100BaseTX • with 100BaseTX • with 100BaseT • or 10GBase T  ULFETL style / 600 V Rating • Certification supprovals  ULFETL style / 600 V Rating • CER arking • Pes • CIULIUss, CMG, AWMM-Style 21500, cRU AWMI IA/B 60°C 300V FT2  ULFETL style / 600 V Rating • CER marking • Yes • CIES 61784-52-CP 2/2 (Ethernet/IP) • Yes  standard for structured cabiling  Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Cel Norske Verlass (DNV) • Cer marking to Shipping Lirope Ltd. (ABS) • French marine classification society (BV) • Cel Norske Verlass (DNV) • Cer marking to Shipping Lirope Ltd. (ABS) • Pelosk Rejest Station (PRS) • No • Polsk Rejest Station (PRS) • No • reference code • according to IEC 81346-2  WG	<ul> <li>with multiple bends / minimum permissible</li> </ul>	40 mm
ambient conditions  ambient temperature	tensile load / maximum	100 N
ambient temperature	weight per length	76 kg/km
e during operation e during storage e during itansport e during itansport e during installation  ambient condition / for operation fre behavior fre behavior class of burning behaviour / according to EN 13501-6 e to mineral oil e to grease e to water radiological resistance / to UV radiation resistant e halogen-free e silicon-free e silicon-free e silicon-free e with 100BaseTX e with 100BaseT e for for 106Base T e AC approval e CEC araking e ARAIT-ELA 568-B.2 Cat.5e e EC GET ARAIT-ELA 568-B.2 Cat.5e e EC GE	ambient conditions	
during storage     during transport     during installation     during in	ambient temperature	
e during transport  during installation  ambient condition / for operation  Temperature range for permanent installation -40 "C to +85 "C  disas of burning behaviour / according to EN 13501-6  Ea  fire behavior  class of burning behaviour / according to EN 13501-6  Ea  to mineral oil  to grease  to water  radiological resistance / to UV radiation  resistant according to IEC 60811-2-1 (4 h / 70°C)  conditional resistance  radiological resistance / to UV radiation  resistant	during operation	-40 +85 °C
during transport during installation during installation during installation directions of permanent installation -40 "C to +85 "C desire behavior dias of burning behaviour / according to EN 13501-6 desire of burning behaviour / according to EN 13501-6 desire of burning behaviour / according to EN 13501-6 demical resistance  to mineral oil oil resistant according to IEC 60332-3-24 (Category C) desire of burning behaviour / according to EN 13501-6 demical resistance  to mineral oil oil resistant according to IEC 60311-2-1 (4 h / 70°C)  conditional resistance  conditional resistance  onditional resistance  resistant  resistant  resistant  resistant  product feature halogen-free halogen-free wire length / for Industrial Ethernet with 100BaseTX with	during storage	-40 +80 °C
during installation     ambient condition / for operation     fire behavior     class of burning behaviour / according to EN 13501-6     class of burning behaviour / according to EN 13501-6     chemical resistance     to mineral oil     to grease     to material oil     to to year     to to water     radiological resistance / to UV radiation     product features, product functions, product components / general     product feature     halogen-free     halogen-free     vith 1008ase T     vith 1008ase T     vith 1008ase T     vorifications, approvals  ULETL isting / 300 V Rating     Ves: (UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  ULETL style / 600 V Rating     Ves     cet Enarking     cet Eca approval     cet Eca app	during transport	-40 +80 °C
ambient condition / for operation fire behavior class of burning behaviour / according to EN 13501-6 chemical resistance • to mineral oil • to grease • to water radiological resistance / to UV radiation • to grease • to water radiological resistance / to UV radiation • halogen-free • histophic features • with 100Base T  • for 10GBase T	-	-40 +80 °C
fire behavior  class of burning behaviour / according to EN 13501-6  class of burning behaviour / according to EN 13501-6  chemical resistance  • to mineral oil  • to grease  • to water  radiological resistance / to UV radiation  product features, product functions, product components / general  product feature,  • halogen-free  • silicon-free  wire length / for industrial Ethernet  • with 100Base T  • with 100Base T  • with 100Base T  • with 100Base T  • with 200Base T  • corditional resistance  * ULETL listing / 300 V Rating  ULETL silver / 600 V Rating  Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  ULETL styler / 600 V Rating  Certificate of suitability  • EAC approval  • EAC approval  • CE marking  • RoHS conformity  • ANSI/TTA-EIA 588-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard surface association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Det Norske Veritas (DNV)  • Det Norske Veritas (DNV)  • Polski Rejestr Statkow (PRS)  • Polski Rejestr Statkow (PRS)  • Roloski Rejestr Statkow (PRS)		
class of burning behaviour / according to EN 13501-6  chemical resistance  • to mineral oil  • to grease • to water  radiological resistance / to UV radiation  resistant  product features, product functions, product components / general  product features  • to halogen-free • halogen-free • halogen-free • with 100BaseTX • oil 100 m • with 100BaseTX • for 10GBase T  • for 10GBase	·	
chemical resistance  • to mineral oil  • to grease  • to water  radiological resistance / to UV radiation  resistant  product features, product functions, product components / general  product feature  • halogen-free  • silicon-free  • silicon-free  • with 100Base T  • with 100Base T  • with 100Base T  • of 10CBase T  • yes  WIPELL listing / 300 V Rating  ULETL listing / 300 V Rating  Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  ULETL style / 600 V Rating  vertificate of suitability  • EAC approval  • CE marking  • RoHS conformity  product conformity  • ANSI/TIA-EIA 568-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethemet/IP)  **Standard for structured cabling  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • Are reach and a suitability  • Lex classification association  • American Bureau of Shipping LRS)  • No  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Det Norske Veritas (DNV)  • Polski Rejester Statkow (PRS)  • Polski Rejester Statkow (PRS)  • Polski Rejester Statkow (PRS)  • Reference code  • according to IEC 81346-2  WiG		`
to mineral oil to grease Conditional resistance to water conditional resistance radiological resistance / to UV radiation resistant  product features, product functions, product components / general  product features halogen-free halogen-free halogen-free viite length / for Industrial Ethernet with 1000BaseT hith 1000BaseT for 100Base T  Standards, specifications, approvals  UL/ETL listing / 300 V Rating Certificate of suitability EAC approval CEAC approval C		
• to grease • to water radiological resistance / to UV radiation product features, product functions, product components / general product features • halogen-free • halogen-free • halogen-free • silicon-free • with 100BaseTX • with 100BaseTX • with 100BaseT • for 10GBase T • for 10GBas		oil resistant according to IEC 60811-2-1 (4 h / 70°C)
to water     radiological resistance / to UV radiation		
radiological resistance / to UV radiation resistant  product features, product functions, product components / general  product feature		
product feature    halogen-free		
product feature  • halogen-free  • silicon-free  • silicon-free  wire length / for Industrial Ethernet  • with 100BaseTX  • with 100BaseT  • with 100BaseT  • for 10GBaseT  100 m  • for 10GBaseT  20UETL listing / 300 V Rating  ULETL listing / 300 V Rating  Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  ULETL style / 600 V Rating  No  certificate of suitability  • EAC approval  • CE marking  • RoHS conformity  • ANSI/TIA-EIA 568-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG		
halogen-free     silicon-free     wire length / for Industrial Ethernet     with 100BaseTX     with 100BaseT     ind 100 m     or 100BaseT     ind 100 m     or 100BaseT     ind 100 m     or 100BaseT     ind 100 m     ind 100 m     or 100BaseT     ind 100 m     or 100BaseT     ind 100 m		riai
Sillicon-free  Wire length / for Industrial Ethernet  With 100BaseTX With 100BaseT Of 10GBase T	•	No
wire length / for Industrial Ethernet  with 100BaseTX with 100BaseT 100 m for 10GBase T 90 m  standards, specifications, approvals  UL/ETL listing / 300 V Rating Yes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  UL/ETL style / 600 V Rating No certificate of suitability EAC approval Yes RoHS conformity Yes RoHS conformity Yes IEC 61784-5-2-CP 2/2 (Ethernet/IP) Yes standard for structured cabling Cat6A  Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) No No Polski Rejestr Statkow (PRS) No reference code according to IEC 81346-2 WG	9	
with 100BaseTX     with 100BaseT		res
with 1000BaseT     for 10GBase T     90 m  standards, specifications, approvals  UL/ETL listing / 300 V Rating     Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  UL/ETL style / 600 V Rating     No  certificate of suitability     EAC approval     Yes     CE marking     Yes     RoHS conformity     ANSI/TIA-EIA 568-B.2 Cat.5e     IEC 61784-5-2-CP 2/2 (Ethernet/IP)     Yes  standard for structured cabling  Marine classification association     American Bureau of Shipping Europe Ltd. (ABS)     French marine classification society (BV)     Det Norske Veritas (DNV)     Det Norske Veritas (DNV)     Oedermanische Lloyd (GL)     Lloyds Register of Shipping (LRS)     No     Polski Rejestr Statkow (PRS)     No  reference code     according to IEC 81346-2  WG		400
• for 10GBase T  standards, specifications, approvals  UL/ETL listing / 300 V Rating  Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  UL/ETL style / 600 V Rating  No  certificate of suitability  EAC approval  ROHS conformity  ROHS conformity  ANSI/TIA-EIA 568-B.2 Cat.5e  IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG		
Standards, specifications, approvals  UL/ETL listing / 300 V Rating  Ves; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2  UL/ETL style / 600 V Rating  No  certificate of suitability  EAC approval  RoHS conformity  RoHS conformity  ANSI/TIA-EIA 568-B.2 Cat.5e  IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  No  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG		
UL/ETL listing / 300 V Rating  UL/ETL style / 600 V Rating  No  certificate of suitability  • EAC approval  • CE marking  • RoHS conformity  product conformity  • ANSI/TIA-EIA 568-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • No  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG		90 m
UL/ETL style / 600 V Rating  certificate of suitability  EAC approval CE marking Yes ROHS conformity Yes  product conformity ANSI/TIA-EIA 568-B.2 Cat.5e IEC 61784-5-2-CP 2/2 (Ethernet/IP) Yes standard for structured cabling Cat6A  Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) No Polski Rejestr Statkow (PRS)  reference code according to IEC 81346-2 WG		
certificate of suitability  • EAC approval  • CE marking  • RoHS conformity  Product conformity  • ANSI/TIA-EIA 568-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Cat6A  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (NK)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG		
EAC approval CE marking CE marking ROHS conformity Yes  ROHS conformity  ANSI/TIA-EIA 568-B.2 Cat.5e IEC 61784-5-2-CP 2/2 (Ethernet/IP) Yes  standard for structured cabling Cat6A  Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) No No Polski Rejestr Statkow (PRS)  reference code according to IEC 81346-2 WG		No
CE marking RoHS conformity Yes  Product conformity  ANSI/TIA-EIA 568-B.2 Cat.5e IEC 61784-5-2-CP 2/2 (Ethernet/IP) Yes  standard for structured cabling Cat6A  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) No No Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS)  reference code according to IEC 81346-2 WG	-	
ROHS conformity  Product conformity  ANSI/TIA-EIA 568-B.2 Cat.5e  IEC 61784-5-2-CP 2/2 (Ethernet/IP)  Standard for structured cabling  Cat6A  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG	EAC approval	Yes
product conformity  • ANSI/TIA-EIA 568-B.2 Cat.5e  • IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Cat6A  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (NK)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG	CE marking	Yes
ANSI/TIA-EIA 568-B.2 Cat.5e  IEC 61784-5-2-CP 2/2 (Ethernet/IP)  Standard for structured cabling  Cat6A  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  No  No  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG	·	Yes
IEC 61784-5-2-CP 2/2 (Ethernet/IP)  standard for structured cabling  Cat6A  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  Nippon Kaiji Kyokai (NK)  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG	product conformity	
standard for structured cabling  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (NK)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG		Yes
Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • Nippon Kaiji Kyokai (NK)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  WG	• IEC 61784-5-2-CP 2/2 (Ethernet/IP)	Yes
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Germanische Lloyd (GL)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>reference code</li> <li>according to IEC 81346-2</li> <li>WG</li> </ul>	standard for structured cabling	Cat6A
<ul> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>No</li> <li>Germanische Lloyd (GL)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>reference code</li> <li>according to IEC 81346-2</li> <li>WG</li> </ul>	Marine classification association	
Det Norske Veritas (DNV)     Germanische Lloyd (GL)     Lloyds Register of Shipping (LRS)     No     Nippon Kaiji Kyokai (NK)     Polski Rejestr Statkow (PRS)  reference code     according to IEC 81346-2  WG	<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
Germanische Lloyd (GL)  Lloyds Register of Shipping (LRS)  No  Nippon Kaiji Kyokai (NK)  Polski Rejestr Statkow (PRS)  reference code  according to IEC 81346-2  WG	<ul> <li>French marine classification society (BV)</li> </ul>	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> <li>No</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>reference code</li> <li>according to IEC 81346-2</li> <li>WG</li> </ul>	<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
Nippon Kaiji Kyokai (NK)     Polski Rejestr Statkow (PRS)  reference code     according to IEC 81346-2  WG	Germanische Lloyd (GL)	No
● Polski Rejestr Statkow (PRS)  reference code  ● according to IEC 81346-2  WG	<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
reference code  ● according to IEC 81346-2  WG	<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	No
• according to IEC 81346-2 WG	<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	No
	reference code	
	• according to IEC 81346-2	WG
<ul> <li>according to IEC 81346-2:2019</li> <li>WGB</li> </ul>	-	WGB
further information / internet-Links		
Internet-Link		
• to web page: selection aid TIA Selection Tool <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>		http://www.siemens.com/tia-selection-tool
• to website: Industrial communication <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>		

• to website: Industry Mall

• to website: Information and Download Center

• to website: Selection guide for cables and connectors

• to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

https://sie.ag/2QdlxcP

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

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