SIEMENS

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.

• of cable shouth PVC color while-blue blue, while arrange/orange, while-preentyteen, while-brownbrown green • and a shauth green • whit angle band / minimum permisable 24 mm • whit angle band / minimum permisable 24 mm • whit angle band / minimum permisable 24 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • whit angle band / minimum permisable 40 mm • white orange/orange 40 mm • white angle band / minimum permisable 40 mm • white angle band / minimum permisable 40 mm • white angle band / minimum permisable 40 mm • white angle band / minimum permisable 40 mm • white angle band / minimum permisable 40 mm • white angle band / minimum permisable 40 mm • white angle band / minim permisable 40 mm	 of the wire insulation 	polyethylene (PE)		
color • of the includent of data wires whet-blue blue, white-orange/orange, white-green/green, white-brownbrown • of cable sheah green borning radius • whet multiple bends' minimum permissible 24 mm • with multiple bends' minimum permissible 40 mm • with multiple bends' minimum permissible 40 mm • emile bend 'random' 100 N weight per dengin 7.45 kg/km • and rang paratolo 40 +83 °C • during garatolo 40 +83 °C • during stanspart <	 of the inner sheath of the cable 	FRNC		
• of the instalation of data wices while-blockbue, while-orange/orange, while-preenlyreen, while-brownborwnborwnborwnborwnborwnborwnborwn	 of cable sheath 	PVC		
	color			
bedrag radius - • with single bends / minimum permissible 40 mm • with multiple bends / minimum permissible 40 mm • weight per length 7.5.5 kg/m. • weight per length - • weight per length - • uning instantion - • during strangort - • during instantion - • during instanti	 of the insulation of data wires 	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown		
• with single bend, minimum permissible 40 mm • with multiple bends / minimum permissible 40 mm tenale bad / maximum 100 N weight per length 7.4.5.kg/km miliant conditions	of cable sheath	green		
• with multiple bends / maintum permissible 40 mm Iensile load / maintum 100 N weight per length 74.5 kig/km ambient conditions	bending radius			
Immit load / maximum 100. N weight per length 74.5 kg/km ambient conditions	 with single bend / minimum permissible 	24 mm		
weight per length 74.5 kg/km ambient temperature • during storage • during installation • during installation	 with multiple bends / minimum permissible 	40 mm		
antient temperature 40 +85 °C • during sporation 40 +85 °C • during storage 40 +80 °C • during insport 40 +80 °C • during insport 40 +80 °C • during insport 40 +80 °C • during installation 40 +80 °C	tensile load / maximum	100 N		
ambient temperature -40 +85 °C • during storage -40 +80 °C • during transport -40 +80 °C • during behaviour / according to EN 13501-0 Eca • during transport -40 +80 °C • to mileral oll of resistant according to EC 60911-2-1 (4 h / 70 °C) • to water conditional resistance • to water conditional resistance radiological resistance / to UV radiation resistant product fauture No • halogen-free No • with 100BaseTX 100 m • with 100BaseTX 100 m • with 100BaseTX 100 m • CE marking Yes • CE adridetations approxita Yes • Del Mostel vertage Yes • Del Mostel vertage	weight per length	74.5 kg/km		
- during speration -40+85 °C • during storage 40+80 °C • during insport -40+80 °C • during installation -40+80 °C • during behavior fite behavior • during behavior resistant according to IEC 60332-3-24 (Category C) • das of burning behavior - conditional resistant according to IEC 60311-2-1 (4 h / 70°C) • ob organse - conditional resistance • lo valar - conditional resistance • valoapan-free No • with 1000BaseT 100 m • with 1000BaseT 100 m • with 1000BaseT 90 m • candards, specificat	ambient conditions			
- during speration -40+85 °C • during storage 40+80 °C • during insport -40+80 °C • during installation -40+80 °C • during behavior fite behavior • during behavior resistant according to IEC 60332-3-24 (Category C) • das of burning behavior - conditional resistant according to IEC 60311-2-1 (4 h / 70°C) • ob organse - conditional resistance • lo valar - conditional resistance • valoapan-free No • with 1000BaseT 100 m • with 1000BaseT 100 m • with 1000BaseT 90 m • candards, specificat	ambient temperature			
- during storage -40 +80 °C - during transport -40 +80 °C - during transport -40 +80 °C - during transport -40 +80 °C - ambient condition / for operation Temperature range for permanent installation -40 °C to +85 °C fine behavior finame resistant according to IEC 60332-3-24 (Category C) class of burning behaviour / according to EN 13501-6 Eca chemical resistance - i to initional resistance - i to initional resistance - i to initional resistance - rediciogical resistance / to UV radiation - rediciogical resistance / to UV radiation - rediciogical resistance / to UV radiation - rediciogical resistance -	-	-40 +85 °C		
-40+80 °C		-40 +80 °C		
• during installation -40 +80 °C armlient condition / for operation Temperature range for permanent installation -40 °C to +85 °C fine behavior finem resistant according to IEC 6032-3-24 (Category C) class of burning behaviour / according to EN 13501-6 Eca chemical resistance oil resistant according to IEC 60811-2-1 (4 h / 70°C) • to mineral oil oil resistant according to IEC 60811-2-1 (4 h / 70°C) • to water conditional resistance radiological resistance / to UV radiation resistant product features, product functions, product components / general product feature • halogon-free No • silcon-free No • silcon-free No • with 1008aseTX 100 m • with 1008aseTX 100 m • tori 1058ase T 90 m standards, specifications, approvals ULFTL isting / 300 V Rating Vul-ETL style / 800 V Rating Ves certificate of subality - • ECA approval Yes certification association - • RoHS conformity Yes • Certoraking		-40 +80 °C		
ambient condition / for operation Temperature range for permanent installation 40 °C to +85 °C fire behavior fame resistant according to EC 60322-3-24 (Category C) class of burning behaviour / according to EN 13501-6 Eca chemical resistance oil resistant according to EC 60811-2-1 (4 h / 70°C) ic to grease conditional resistance ic to water conditional resistance radiological resistance / to UV radiation resistant product features, product functions, product components / general resistant product features, reproduct functions, product components / general No e silicon-free Yes with 1008asrTX 100 m is of 10GBase T 100 m is of 10GBase T 90 m standardis, apperiate Yes; c(UL)us, CMC, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; c(UL)us, CMC, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; c(UL)us, CMC, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; c(UL)us, CMC, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; c(Ela 70.45, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20				
free behavior flame resistant according to EC 60332-324 (Gategory C) class of burning behaviour / according to EN 13501-6 Eca - to mineral oil oil resistant according to EC 60811-2-1 (4 h / 70°C) - to gresse Conditional resistance - to water conditional resistance - radiocogical resistance / to UV radiation resistant product feature, product functions, product components / goncol resistant product feature, sproduct functions, product components / goncol Yes with 100BaseTX 100 m • with 100BaseTX 100 m • with 100BaseT 00 m • for 10CBase T 90 m #Indidds, sportifications, approvals ULETL listing / 300 V Rating ULETL style / 600 V Rating Yes, c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL style / 600 V Rating Yes • ECA approval Yes • ECE marking Yes • CE marking Yes • CE marking Yes • ECA Structure of Structured casting Catego • ANSITTA-ELAS 58.8 - 2Catego Yes • ECA Structure of Struc				
class of burning behaviour / according to EN 13501-6 Eca chemical resistance oil resistant according to EIC 60811-2-1 (4 h / 70°C) i to materal oil oil resistant according to EIC 60811-2-1 (4 h / 70°C) i to grease Conditional resistance radiological resistance / to UV radiation resistant product features, product functions, product components / general resistant product feature No • halogen-free No • with 100BaseTX 100 m • with 100BaseT 100 m • of rol CoBase T 90 m standards, specifications, approvals ULEFL Isting / 600 V Rating VELETL Isting / 300 V Rating Yes; • ECa anaking Yes • CE marking Yes • RoHS conformity Yes • RoHS conformity Yes • RoHS conformity Yes • Standard for structured cabing CatléA Marine classification association No • CatleA A No	•			
chemical resistance oil resistant according to IEC 60811-2-1 (4 h / 70°C) • to mineral oil conditional resistant • to water conditional resistant • to water conditional resistant radiological resistance / to UV radiation resistant product features, product functions, product components / general • halogen-free No • with 100BaseTX 100 m • with 100BaseT 90 m standards, spocifications, approvals UUETL listing / 300 V Rating VIETL listing / 300 V Rating Yes; cULJus, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL listing / 300 V Rating Yes; cULJus, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL listing / 300 V Rating Yes; cULJus, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL listing / 300 V Rating Yes • EAC approval Yes • EC 61784-52-CP 22 (ElemetIP) Yes • IEC 61784-52-CP 22 (ElemetIP) Yes • IEC 61784-52-CP 22 (ElemetIP) Yes • EC 61784-52-CP 22 (ElemetIP) Yes <				
• to mineral oil oil resistant according to IEC 60811-2-1 (4 h / 70°C) • to greese Conditional resistance • to water conditional resistance radiological resistance / to UV radiation resistant product features, product functions, product components / general resistant • halogen-free No • silcon-free Yes • with 100BaseTX 100 m • with 100BaseT 90 m • for 10GBaseT 90 m • for 10GBaseT 90 m • for 10GBaseT 90 m • Centificate of suitability Yes; c(UL)us; CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL style / 600 V Rating No • CE marking Yes • Cell conformity Yes • Cell conformity Yes • RoHS conformity Yes • Catefase Subscillon Cettase • ANSI/TIA-EL/S 588-B.2 Cat.5e Yes • IEC 61784-52.CP 227 (Etherner/IP) Yes • Standard for structure cabing Cettase • American Bureau of Shipping Europe Ltd. (ABS) No				
• to gresse Conditional resistance • to water conditional resistance product features, product functions, product components / general resistant product features, product functions, product components / general resistant product feature velocity • isligon-free Yes • with length / for Industrial Ethernet Yes • with 100Base T 100 m • or 10GBase T 90 m stindards, specifications, approvals ULFETL Isling / 300 V Rating UL/ETL listing / 300 V Rating Yes; cUL/us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 UL/ETL style / 600 V Rating Yes • Centraking Yes • Capproval Yes • Cap aproval Yes • Cap aproval Yes • CE on afred suitability Yes • CE conformity Yes • Standard for structured cabiling Cat6A Marine classification association French marine classification association • French marine classification society (BV) No • Det Norske Veritas (DNV) No •		oil resistant according to IEC 60811-2-1 (4 h / 70°C)		
• to water conditional resistance radiological resistance resistant product features, product functions, product components / general • balogen-free No • silicon-free Yes • wire length / for Industrial Ethernet Yes • with 100BaseTX 100 m • for 10GBase T 90 m standards, specifications, approvals ULFET take / 600 V Rating ULFET take / 600 V Rating Yes; (ULJus, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULFET take / 600 V Rating Yes • EC approval Yes • EC approval Yes • EC approval Yes • EC approval Yes • EC oft784-52-CP 22 (Ethernet/IP) Yes standard for structured cabling Cat6A • American Bureau of Shipping Europe Ltd. (ABS) No • French marine classification society (BV) No • Det Norske Veritas (DNV) No • Loyds Register of Shipping (LRS				
radiological resistance / to UV radiation resistant product features, product functions, product components / general product feature halogen.free No silicon.free vith 1008aseT 100 m vith 1008aseT 100 m standards, apport/factions, approvals ULETL Issing / 300 V Rating Yes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 600 V Rating Yes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULETL Issing / 300 V Rating Yes; Cettificate of suitability Yes • EAC approval Yes • RoHS conformity Yes <td></td> <td></td>				
product features, product functions, product components / general product feature • halogen-free • with i00BaseT • with 100BaseT • with 100BaseT • or 10GBase T 90 m standards, specifications, approvals UL/ETL isting / 300 V Rating VELETL isting / 300 V Rating VL/ETL isting / 300 V Rating No • Eardring • No • Eardring • No • Eardring • Eardring • Eardring • Eard				
product feature No • ialogen-free No • silicon-free Yes wire length / for Industrial Ethernet 100 m • with 1008aseTX 100 m • with 1008aseT 100 m • or 1008aseT 90 m standards, specifications, approvals ULETL listing / 300 V Rating UL/ETL listing / 300 V Rating Yes; cULijus, 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 61784-52-CP 22 (Ethernet/IP) Yes • standard for structured cabiling Cat6A Marine classification association No • American Bureau of Shipping Europe Ltd. (ABS) No • Ele 61784-52-CP 22 (Ethernet/IP) Yes • Standard for structured cabiling Cat6A Marine classification association No • Event Norske Vertins (INV) No • Ede Norske Vertins (INV) No • Ede Nors				
• halogen-free No • silicon-free Yes wire length / for Industrial Ethernet - • with 100Base TX 100 m • with 100Base T 100 m • of 10GBase T 90 m standards, specifications, approvals - UL/ETL Istyle / 600 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 • CAC approval Yes • Catafa Marke classification association • American Bureau of Shipping Europe Ltd. (ABS)				
• silicon-free Yes wire length / for Industrial Ethernet IOO m • with 1000BaseTX 100 m • with 1000BaseT 100 m • for 10GBase T 90 m standards, specifications, approvals UL/ETL listing / 300 V Rating UL/ETL listing / 300 V Rating No certificate of suitability No • CE marking Yes • CE for arking Yes • RoHS conformity Yes • RoHS conformity Yes • RoHS conformity Yes • Example Yes standard for structured cabling Cat6A Marine classification association Yes • French marine classification society (BV) No • Det Norske Veritas (DNV) No • Det Norske Veritas (DNV) No • Ereforme disping (LRS) No • Nolypon Kaiji Nyckii (NK) No • Polski Rejestr Statkow (PRS) No • Nolypon Kaiji Nyckii (NK) No • Nokingt Catfing to EC 81346-2 WG • according to EC 81346-2	-	No		
wire length / for Industrial Ethernet . • with 100BaseTX 100 m • with 100BaseT 100 m • for 100BaseT 90 m standards, specifications, approvals 90 m 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 • CE marking Yes • RoHS conformity Yes product conformity Yes • ANSITIA-ELA 568-B.2 Cat.5e 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) No • Erench marine classification society (BV) No • Oak Rejester of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polski Rejest: Statkow (PRS) No reference code . • according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / interv	-			
• with 100BaseTX 100 m • with 100BaseT 100 m • for 10GBase T 90 m standards, specifications, approvals 90 m 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 • CE marking Yes • CE marking Yes • ANSI/TIA-EIA 668-B.2 Cat.5e Yes • IEC 61784-52-CP 2/2 (Ethernet/IP) Yes standard for structured cabling Cat6A Marine classification association • • Arenican Burseu of Shipping Europe Ltd. (ABS) No • Erench marine classification society (BV) No • Cerransinsche Lloyd (GL) No • Licyclis Rejester of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polski Rejester of Shipping (LRS) No • Reference code * • according to IEC 81346-22019 WGB further information / information siemens.com/bilddb * • to website: Industry Online Support https://www.automation.siemens.com/bilddb		res		
• with 1000BaseT100 m• for 10GBase T90 mstandards, specifications, approvalsUL/ETL listing / 300 V RatingYes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2UL/ETL style / 600 V RatingNocertificate of suitabilityEAC approval• EAC approvalYes• CE markingYes• ROHS conformityYesproduct conformityYes• IEC 61784-52-CP 2/2 (Ethernet/IP)Yesstandard for structured cablingCat6AMarine classification associationNo• American Bureau of Shipping Europe Ltd. (ABS)No• French marine classification society (BV)No• Det Norske Veritas (DNV)No• Loyds Register of Shipping (LRS)No• Nippon Kaij Kyokai (NK)No• Polski Rejestr Statkow (PRS)Noreference code• according to IEC 81346-2WG• according to IEC 81346-22WG• to website: inlage databasehttps://www.automation.siemens.com/bilddb• to website: inlage databasehttps://www.automation.siemens.com/bilddb	-	100		
• for 10GBase T 90 m standards, specifications, approvals UL/ETL listing / 300 V Rating VL/ETL style / 600 V Rating No certificate of suitability No • EAC approval Yes • CE marking Yes • RoHS conformity Yes product conformity Yes • ANSI/TIA-ETA 568-B.2 Cat.5e Yes • IEC 61784-52-CP 22 (Ethernet/IP) Yes standard for structured cabling Cat6A Marine classification association No • American Bureau of Shipping Europe Ltd. (ABS) No • Det Norske Veritas (DNV) No • Germanische Lloyd (GL) No • Lloyds Register of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polski Registr Statkow (PRS) No • reference code • according to IEC 81346-2 • according to IEC 81346-2 WG • to website: Induget database https://support.industry.siemens.com/bilddb • to website: Industry Online Support https://supaport.indust				
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 • CE marking Yes • RoHS conformity Yes • RoHS conformity Yes • IEC 61784-52-CP 2/2 (Ethernet/IP) Yes standard for structured cabling Cat6A Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) No • Det Norske Veritas (DNV) No • Det Norske Veritas (DNV) No • Loyds Register of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polski Rejestr Statkow (PRS) No reference code according to IEC 81346-2 • according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / internet link https://www.automation.siemens.com/bilddb internet link https://support.industry.siemens.com				
ULZETL listing / 300 V Rating Yes; c(UL)us, CMG, AWM-Style 21500, cRU AWM I A/B 60°C 300V FT2 ULZETL style / 600 V Rating No certificate of suitability • • EAC approval Yes • CE marking Yes • RoHS conformity Yes product conformity Yes • EC 61784-52-CP 2/2 (Ethernet/IP) Yes standard for structured cabling Cat6A Marine classification association • • American Bureau of Shipping Europe Ltd. (ABS) No • Erench marine classification society (BV) No • Det Norske Veritas (DNV) 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 • to website: Image database https://www.automation.siemens.com/bilddb • to website: Image database https://support.industry.siemens.com		90 11		
UL/ETL style / 600 V Rating No certificate of suitability Yes • EAC approval Yes • CE marking Yes • RoHS conformity Yes product conformity Yes • ANSI/TIA-EIA 568-B.2 Cat.5e 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) No • French marine classification society (BV) No • Det Norske Veritas (DNV) No • Lloyds Register of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polsik Rejest Statkow (PRS) No reference code • according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / internet link internet link • to website: Image database • to website: Industry Online Support				
certificate of suitability Yes EAC approval Yes • CE marking Yes • RoHS conformity Yes product conformity Yes • IEC 61784-52-CP 2/2 (Ethernet/IP) 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 • Det Norske Veritas (DNV) No • Det Norske Veritas (DNV) 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 • to website: Image database https://www.automation_siemens.com/bilddb • to website: Industry Online Support https				
EAC approvalYes• CE markingYes• RoHS conformityYesproduct conformityYes• ANSI/TIA-EIA 588-B.2 Cat.5eYes• IEC 61784-5-2-CP 2/2 (Ethernet/IP)Yesstandard for structured cablingCat6AMarine classification associationCat6A• 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)Noreference codeWG• according to IEC 81346-2WG• according to IEC 81346-2:2019WGBfurther information / internet link• to website: Inage databasehttps://www.automation.siemens.com/bilddb• to website: Industry Online Supporthttps://support.industry.siemens.com		NO		
• CE marking Yes • RoHS conformity Yes product conformity * • ANSI/TIA-EIA 568-B.2 Cat.5e Yes • IEC 61784-5-2-CP /22 (Ethernet/IP) Yes standard for structured cabling Cat6A Marine classification association Cat6A • 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 VG • according to IEC 81346-2 WG • according to IEC 81346-2 WG • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com	5			
• RoHS conformity Yes product conformity - • ANSI/TIA-EIA 568-B.2 Cat.5e 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) 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 VVG • to website: Image database https://sup				
product conformity • ANSI/TIA-EIA 568-B.2 Cat.5e 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) No • French marine classification society (BV) No • Det Norske Veritas (DNV) 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 website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com	-			
• ANSI/TIA-EIA 568-B.2 Cat.5eYes• IEC 61784-5-2-CP 2/2 (Ethernet/IP)Yesstandard for structured cablingCat6AMarine 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)Noreference code• according to IEC 81346-2WG• according to IEC 81346-2:2019WGBfurther information / internet links• to website: Image databasehttps://www.automation.siemens.com/bilddb• to website: Industry Online Supporthttps://support.industry.siemens.com		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) 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 link - • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com				
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) No Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) No reference code according to IEC 81346-2 wGB further information / internet links internet link to website: Image database https://support.industry.siemens.com/bilddb https://support.industry.siemens.com 				
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) No Lloyds Register of Shipping (LRS) No Polski Rejestr Statkow (PRS) Polski Rejestr Statkow (PRS) No reference code according to IEC 81346-2 WGB further information / internet links internet link to website: Image database https://www.automation.siemens.com/bilddb https://support.industry.siemens.com 				
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 website: Image database https://www.automation.siemens.com/bilddb https://support.industry.siemens.com		Cat6A		
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• Polski Rejestr Statkow (PRS)Noreference code• according to IEC 81346-2WG• according to IEC 81346-2:2019WGBfurther information / internet links• to website: Image databasehttps://www.automation.siemens.com/bilddb• to website: Industry Online Supporthttps://support.industry.siemens.com				
• 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• Polski Rejestr Statkow (PRS)No• according to IEC 81346-2WG• according to IEC 81346-2:2019WGBfurther information / internet links• to website: Image databasehttps://www.automation.siemens.com/bilddb• to website: Industry Online Supporthttps://support.industry.siemens.com				
• Germanische Lloyd (GL)No• Lloyds Register of Shipping (LRS)No• Nippon Kaiji Kyokai (NK)No• Polski Rejestr Statkow (PRS)No• Polski Rejestr Statkow (PRS)Noreference codeVG• according to IEC 81346-2WG• according to IEC 81346-2:2019WGBInternet link• internet linkInternet link• to website: Image databasehttps://www.automation.siemens.com/bilddb• to website: Industry Online Supporthttps://support.industry.siemens.com				
• Lloyds Register of Shipping (LRS) No • Nippon Kaiji Kyokai (NK) No • Polski Rejestr Statkow (PRS) No • Polski Rejestr Statkow (PRS) No reference code WG • according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / internet links Internet link • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com				
 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 website: Image database https://www.automation.siemens.com/bilddb https://support.industry.siemens.com 		No		
Polski Rejestr Statkow (PRS) No reference code according to IEC 81346-2 according to IEC 81346-2:2019 WG according to IEC 81346-2:2019 WGB further information / internet links internet link to website: Image database to website: Image database to website: Industry Online Support https://support.industry.siemens.com/bilddb		No		
reference code wG • according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / internet links internet link • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com		No		
• according to IEC 81346-2 WG • according to IEC 81346-2:2019 WGB further information / internet links Internet link • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com	 Polski Rejestr Statkow (PRS) 	No		
• according to IEC 81346-2:2019 WGB further information / internet links Internet link • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com				
further information / internet links internet link • to website: Image database • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com	according to IEC 81346-2	WG		
internet link https://www.automation.siemens.com/bilddb • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com		WGB		
• to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com	further information / internet links			
to website: Industry Online Support <u>https://support.industry.siemens.com</u>	internet link			
	 to website: Image database 	https://www.automation.siemens.com/bilddb		
security information	 to website: Industry Online Support 	https://support.industry.siemens.com		

security information		tha In o three sol for net to a net cyb ww uno rec ano no cus sub	t support the secure oper order to protect plants, s eats, it is necessary to in te-of-the-art industrial cy utions constitute one ele preventing unauthorized works. Such systems, m an enterprise network or esesary and only when a work segmentation) are iversecurity measures that w.siemens.com/cybersed dergo continuous develor ommends that product to that the latest product longer supported, and fa- tomer's exposure to cyb	and solutions with industrial eration of plants, systems, ma ystems, machines and netwo nplement – and continuously /bersecurity concept. Siemen ement of such a concept. Cus d access to their plants, syste achines and components sh the internet if and to the exte appropriate security measures in place. For additional inforr at may be implemented, please courity-industry. Siemens' pro- popment to make them more so updates are applied as soon a versions are used. Use of pro- ailure to apply the latest upda ber threats. To stay informed ndustrial Cybersecurity RSS cert. (V4.7)	achines and networks. orks against cyber maintain – a holistic, is' products and tomers are responsible ems, machines and ould only be connected ant such a connection is s (e.g. firewalls and/or mation on industrial se visit iducts and solutions ecure. Siemens strongly as they are available oduct versions that are tes may increase about product updates,
Approvals / Certificates					
General Product App	oval			Test Certificates	other
<u>Manufacturer Declara-</u> tion	CE EG-Konf.	Declaration of Con- formity	UK CA	<u>Special Test Certific-</u> <u>ate</u>	Manufacturer Declara- tion
Environment	Industrial Communic	ation			
Confirmation	PROFINET				

last modified:

3/25/2024 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

6XV18782A