

DYNAMIC APPLICATION

PMXX® PLUS SERVO WITH PAIR

APPLICATIVE FEATURES



UP TO 5 MILLION
GUARANTEED CYCLES



50,0 M/S²
ACCELERATION



25,0 M
CABLE LENGTH



300,0 M/MIN
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	6xØ	3xØ
25.00	95.00	10xØ	5xØ

APPROVALS



AWM STYLE 21209
90°C 1000V



AWM I/II A/B 90°C
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006



IEC 60754-1
EN 50267-1

TECHNICAL DATA



STORAGE -50°C +80°C
DYNAMIC -30°C +90°C
STATIC -40°C +90°C



NOMINAL VOLTAGE 1000 V
(UL/CSA) UO/U 0,6/1 KV (VDE)



TEST VOLTAGE 4,0 KV
TEST VOLTAGE REFERENCE EN
50395 PART 6-7, UL/1581



INSULATION RESISTANCE ≥1
GOHM/KM

CONSTRUCTION FEATURES

POWER CONDUCTORS

CONDUCTOR

CL6 EXTRA-FLEXIBLE.
BARE COPPER.

INSULATION

POLYPROPYLENE COMPOUND (PP)

INSULATION COLOR

BLACK CORE WITH WHITE
PRINTING (U/L1/C/L+, V/L2,
W/L3/D/L-) + GREEN-YELLOW.

SEPARATION LAYER

INNER TAPE
POLYESTER TRANSPARENT TAPE
OR NON-WOVEN TAPE

CONTROL PAIR SCREENED (ONE PAIR)

CONDUCTOR

CL6 EXTRA-FLEXIBLE.
BARE COPPER.

INSULATION

POLYPROPYLENE COMPOUND (PP)

INSULATION COLOR

BLACK CORE AND WHITE CORE.

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

INTERMEDIATE TAPE
POLYESTER TRANSPARENT.

SCREEN

SCREEN
TINNED COPPER
85 % ± 5 %

SEPARATION LAYER

INTERMEDIATE TAPE
POLYESTER TRANSPARENT.

CONSTRUCTION FEATURES

CONTROL PAIR SCREENED (TWO PAIR)	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK CORE WITH WHITE PRINTED NUMBERS.
	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	INTERMEDIATE TAPE POLYESTER TRANSPARENT.
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	INTERMEDIATE TAPE POLYESTER TRANSPARENT.
OVERALL STRANDING ONE PAIR	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	ORANGE , RAL: 2003, DESINA: YES
	OVERALL STRANDING TWO PAIR	FILLER
SEPARATIONLAYER	TAPE NON-WOVEN TAPE	
SCREEN	SCREEN TINNED COPPER 85 % ± 5 %	
SEPARATIONLAYER	TAPE NON-WOVEN TAPE	
SHEATH	POLYURETHANE COMPOUND (TMPU)	
SHEATH COLOUR	ORANGE , RAL: 2003, DESINA: YES	

PRODUCTS FEATURES



FIRE PERFORMANCE

SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2, UL CABLE FLAME, UL VW-1, CSA FT1



OIL PERFORMANCE

VDE 0473-811-404 IEC 60811-404 (EU) CEI EN 50363-10-2 1581 (UL)



UV PERFORMANCE

ACCORDING TO ISO 4892-2, EN 50289-4-17, ASTM-D-2565-16



WATER PERFORMANCE

UL 1581 - IEC 60811-1-3



COLD PERFORMANCE

EN60811-1-4



ABRASION PERFORMANCE

ASTM D 4060



MUD PERFORMANCE

NEK 606



MICROBE PERFORMANCE

VDE 0282/10



HOZONE PERFORMANCE

EN 50396 ART. 8.1.3

TECO CODE	OEM REF.	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
46185	INDRAMAT INK 657	[4G0,75+(2X0,50)ST]ST [4GAWG19+(2XAWG21)ST]ST	✓		500	10	150
46186	INDRAMAT INK 653	[4G1,00+2X(2X0,75)ST]ST [4GAWG18+2X(2XAWG19)ST]ST	✓			11.5	240
46172		[4G1,50+(2X1,00)ST]ST [4GAWG16+(2XAWG18)ST]ST	✓		500	11.5	200
46173	SIEMENS 6FX5008-1BA11	[4G1,50+(2X1,50)ST]ST [4GAWG16+(2XAWG16)ST]ST	✓		500	11.7	225
46187	INDRAMAT INK 650	[4G1,50+2X(2X0,75)ST]ST [4GAWG16+2X(2XAWG19)ST]ST	✓		500	12	260
46174		[4G2,50+(2X1,00)ST]ST [4GAWG14+(2XAWG18)ST]ST	✓		500	12.5	275
46175	SIEMENS 6FX8008-1BA21	[4G2,50+(2X1,50)ST]ST [4GAWG14+(2XAWG16)ST]ST	✓			13.5	310
46188	INDRAMAT INK 602	[4G2,50+2X(2X1,00)ST]ST [4GAWG14+2X(2XAWG18)ST]ST	✓		500	14	340
46176		[4G4,00+(2X1,00)ST]ST [4GAWG12+(2XAWG18)ST]ST	✓			14	345
46177	SIEMENS 6FX8008-1BA31	[4G4,00+(2X1,50)ST]ST [4GAWG12+(2XAWG16)ST]ST	✓			14.8	380
46189	INDRAMAT INK 603	[4G4,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG12+(2XAWG18)+(2XAWG16)ST]ST	✓			16	480
46178	SIEMENS 6FX8008-1BA41	[4G6,00+(2X1,50)ST]ST [4GAWG10+(2XAWG16)ST]ST	✓			16.8	500
46190	INDRAMAT INK 604	[4G6,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG10+(2XAWG18)+(2XAWG16)ST]ST	✓			17.8	600
46179	SIEMENS 6FX8008-1BA51	[4G10,00+(2X1,50)ST]ST [4GAWG8+(2XAWG16)ST]ST	✓			19.5	720
46191	INDRAMAT INK 605	[4G10,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG08+(2XAWG18)+(2XAWG16)ST]ST	✓			22.6	840
46180	SIEMENS 6FX8008-1BA61	[4G16,00+(2X1,50)ST]ST [4GAWG6+(2XAWG16)ST]ST	✓			23.2	1050
46192	INDRAMAT INK 606	[4G16,00+2X(2X1,50)ST]ST [4GAWG06+2X(2XAWG16)ST]ST	✓			25.5	1220
46181	SIEMENS 6FX8008-1BA25	[4G25,00+(2X1,50)ST]ST [4GAWG04+(2XAWG16)ST]ST	✓			26.6	1580
46193	INDRAMAT INK 607	[4G25,00+2X(2X1,50)ST]ST [4GAWG04+2X(2XAWG16)ST]ST	✓			29.8	1600
46182	SIEMENS 6FX8008-1BA35	[4G35,00+(2X1,50)ST]ST [4GAWG02+(2XAWG16)ST]ST	✓			30.9	2100
46194	INDRAMAT INK 667	[4G35,00+2X(2X1,50)ST]ST [4GAWG02+2X(2XAWG16)ST]ST	✓			30.5	2100
46183	SIEMENS 6FX8008-1BA50	[4G50,00+(2X1,50)ST]ST [4GAWG01+(2XAWG16)ST]ST	✓			34	3000
43315	INDRAMAT INK 668	[4G50+2X(2X2,5)ST]ST [4GAWG01+2X(2XAWG14)ST]ST	✓			37.6	3300

TE.CO. reserves the right to make changes to any of the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RAL colour code is provided for illustrative purposes only.

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