

DYNAMIC APPLICATION

PMXX[®] PLUS SERVO WITH PAIR



APPLICATIVE FEATURES



**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 MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	6xØ	3xØ
25.00	95.00	10xØ	5xØ

DESCRIPTION

High-performance UL/CSA certified flexible servomotor cables designed for dynamic application in high-speed drag chains, between the motor and frequency converter. The polyurethane outer jacket provides excellent resistance properties against mechanical stress and chemical agents, making these cables suitable for indoor or outdoor use, even in very low temperatures. Screening from electromagnetic interference is achieved thanks to the dense braid shield. Cables are available with one or two control pairs and are compliant with the most commonly used drive system standards.

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)
U₀/U 0,6/1 KV (VDE)



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



INSULATION RESISTANCE
≥ 1 GOHM/KM @ 20 °C
≥ 10 MOHM/KM @ 90 °C

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
CONTROL PAIR SCREENED (ONE PAIR)	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK CORE AND WHITE CORE.
	FILLER	FILLER OPTIONAL POLYPROPYLENE
	SEPARATION LAYER	INNER TAPE NON-WOVEN TAPE
	SCREEN	INNER SCREEN TINNED COPPER 85 % ± 5 %
CONTROL PAIR SCREENED (TWO PAIRS)	SEPARATION LAYER	INNER TAPE NON-WOVEN TAPE
	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK CORE WITH WHITE PRINTED NUMBERS
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE SHIELD POLYESTER INSIDE - ALLUMINIUM OUTSIDE
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	INNER SCREEN TINNED COPPER 85 % ± 5 %
OVERALL STRANDING (ONE PAIR)	SEPARATION LAYER	INNER TAPE NON-WOVEN TAPE
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
OVERALL STRANDING (TWO PAIRS)	SHEATH COLOUR	ORANGE, RAL: 2003, DESINA: YES
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	ORANGE, RAL: 2003, DESINA: YES

PRODUCTS FEATURES



FIRE PERFORMANCE
DIN VDE 0482-332-1-2 SELF-
EXTINGUISHING
FLAME RETARDANT
IEC 60332-1-2
UL 1581
UL CABLE FLAME
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE
VDE 0207-363-10-2
IEC 60811-404
CEI EN 50363-10-2
UL 1581



UV PERFORMANCE
ISO 4892-2
EN 50289-4-17
ASTM-D-2565-16
EN 50618



WATER PERFORMANCE
UL 1581
IEC 60811-1-3
EN 50396 HYDROLYSES RESISTANCE



COLD PERFORMANCE
EN60811-1-4



ABRASION PERFORMANCE
ASTM D 4060



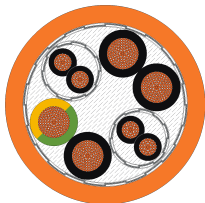
MUD PERFORMANCE
NEK 606
IEC 60092-360 ANNEX C
IEC 60092-360 ANNEX D



MICROBE PERFORMANCE
VDE 0282-10



HOZONE PERFORMANCE
EN 50396-8-1-3

REFERENCE DRAW	TECO CODE	OEM REF.	N° CORES X CROSS-SECTION	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
	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
	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
	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
	46178	SIEMENS 6FX8008- 1BA41	[4G6,00+(2X1,50)ST]ST [4GAWG10+(2XAWG16)ST]ST	✓			16.8	500
	46179	SIEMENS 6FX8008- 1BA51	[4G10,00+(2X1,50)ST]ST [4GAWG8+(2XAWG16)ST]ST	✓			19.5	720
	46180	SIEMENS 6FX8008- 1BA61	[4G16,00+(2X1,50)ST]ST [4GAWG6+(2XAWG16)ST]ST	✓			23.2	1050
	46181	SIEMENS 6FX8008- 1BA25	[4G25,00+(2X1,50)ST]ST [4GAWG04+(2XAWG16)ST]ST	✓			26.6	1580
	46182	SIEMENS 6FX8008- 1BA35	[4G35,00+(2X1,50)ST]ST [4GAWG02+(2XAWG16)ST]ST	✓			30.9	2100
	46183	SIEMENS 6FX8008- 1BA50	[4G50,00+(2X1,50)ST]ST [4GAWG01+(2XAWG16)ST]ST	✓			34	3000
	46186	INDRAMAT INK 653	[4G1,00+2X(2X0,75)ST]ST [4GAWG18+2X(2XAWG19)ST]ST	✓			11.5	240
	46187	INDRAMAT INK 650	[4G1,50+2X(2X0,75)ST]ST [4GAWG16+2X(2XAWG19)ST]ST	✓		500	12	260
	46188	INDRAMAT INK 602	[4G2,50+2X(2X1,00)ST]ST [4GAWG14+2X(2XAWG18)ST]ST	✓		500	14	340
	46189	INDRAMAT INK 603	[4G4,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG12+(2XAWG18)+(2XAWG16)ST]ST	✓			16	480
	46190	INDRAMAT INK 604	[4G6,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG10+(2XAWG18)+(2XAWG16)ST]ST	✓			17.8	600
	46191	INDRAMAT INK 605	[4G10,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG08+(2XAWG18)+(2XAWG16)ST]ST	✓			22.6	840
	46192	INDRAMAT INK 606	[4G16,00+2X(2X1,50)ST]ST [4GAWG06+2X(2XAWG16)ST]ST	✓			25.5	1220
	46193	INDRAMAT INK 607	[4G25,00+2X(2X1,50)ST]ST [4GAWG04+2X(2XAWG16)ST]ST	✓			29.8	1600
	46194	INDRAMAT INK 667	[4G35,00+2X(2X1,50)ST]ST [4GAWG02+2X(2XAWG16)ST]ST	✓			30.5	2100
	43315	INDRAMAT INK 668	[4G50,00+2X(2X2,5)ST]ST [4GAWG01+2X(2XAWG14)ST]ST	✓			37.6	3300

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