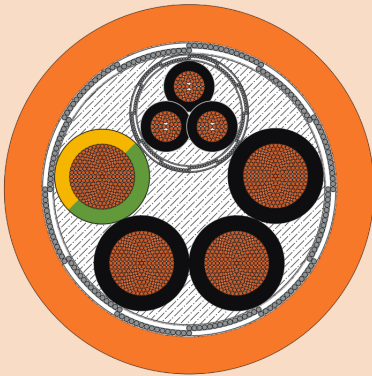


DYNAMIC APPLICATION

PMXX[®] PLUS SERVO WITH TRIPLET



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**50M/SEC²
ACCELERATION**



**15M
CABLE LENGTH**



**300M/MIN
TRAVEL SPEED**



**± 30°/M
TORSION**



MINIMUM BENDING RADIUS

**CROSS SECTION
MIN (MM²)**

**CROSS SECTION
MAX (MM²)**

**DYNAMIC
INSTALLATION**

**STATIC
INSTALLATION**

0.50

16.00

7xØ

4xØ

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. These cables have a control triplet of conductors and are compliant with the most commonly used drive system standards.

APPROVALS



**AWM STYLE 21209 90°C
1000V
File E244280**



**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 / +90°C
DYNAMIC
-40°C / +90°C
STATIC
-50°C / +90°C



NOMINAL VOLTAGE
U₀/U 600/1000V (IEC)
1000V (UL/CSA AWM)



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 (IEC60228) BARE COPPER
	INSULATION	POLYPROPYLENE (PP)
	INSULATION COLOUR	BLACK CORE WITH WHITE PRINTING, U/L1/C/L+, V/L2, W/L3/D/L-, GREEN-YELLOW
	SEPARATION LAYER	INNER TAPE POLYESTER TRANSPARENT OR NON-WOVEN TAPE
CONTROL TRIPLET SCREENED	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC60228) BARE COPPER
	INSULATION	POLYPROPYLENE (PP)
	INSULATION COLOUR	BLACK NUMBEREDS
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	INTERMEDIATE TAPE NON-WOVEN TAPE
	SCREEN	INNER SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	INTERMEDIATE TAPE NON-WOVEN TAPE
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE (TPU)
	SHEATH COLOUR	ORANGE, RAL: 2003, DESINA: YES

PRODUCTS FEATURES



FIRE PERFORMANCE
IEC 60332-1-2
EN 60332-1-2
VDE 0482-332-1-2
CABLE FLAME (UL)
VW-1 (UL)
FT1 (CSA)



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



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



WATER PERFORMANCE
IEC 60811
EN 50396
UL 1581



COLD PERFORMANCE
EN 60811-1-4



ABRASION PERFORMANCE
ASTM D4060
ASTM D5963



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



MICROBE PERFORMANCE
VDE 0282-10



HOZONE PERFORMANCE
EN 50396 (SEC. 8.1.3)

TECO CODE	OEM REF.	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
43309	SEW	[4G1,50+(3X1,00)ST]ST [4GAWG16+(3XAWG18)ST]ST	✓		500	11.8	220
43310	SEW	[4G2,50+(3X1,00)ST]ST [4GAWG14+(3XAWG18)ST]ST	✓		500	13.4	280
43311	SEW	[4G4,00+(3X1,00)ST]ST [4GAWG12+(3XAWG18)ST]ST	✓		500	14.8	350
43312	SEW	[4G6,00+(3X1,50)ST]ST [4GAWG10+(3XAWG16)ST]ST	✓			17	530
43313	SEW	[4G10,00+(3X1,50)ST]ST [4GAWG08+(3XAWG16)ST]ST	✓			19.8	800

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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