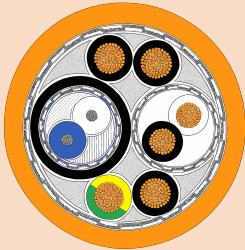


DYNAMIC APPLICATION

PMXX[®] PLUS SERVO DSL

APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**30M/SEC²
ACCELERATION**



**15M
CABLE LENGTH**



**300M/MIN
TRAVEL SPEED**



**± 30°/M
TORSION**



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,34	16	7,5xØ	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 control Pairs and are compliant with the HIPERFACE DSL standard.

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
4000V C/C
4000V C/S
TEST VOLTAGE REFERENCE
EN 50395-10-3



INSULATION RESISTANCE
≥1GΩ/KM



NOMINAL IMPEDANCE
DSL PAIR: 110Ω

CONSTRUCTION FEATURES

POWER SUPPLY 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
CONTROL PAIR SCREENED	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC60228) BARE COPPER
	INSULATION	POLYPROPYLENE (PP)
	INSULATION COLOUR	BLACK CORE AND WHITE CORE.
	SEPARATION LAYER	TAPE FLEECE
	SCREEN	BRAID SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE FLEECE
DSL PAIR SCREENED	CONDUCTOR	FINE WIRE CONDUCTOR TINNED COPPER
	INSULATION	EXPANDED POLYPROPYLENE (PPE)
	INSULATION COLOUR	WHITE RAL 9010 - BLUE RAL 5015
	SEPARATION LAYER	TAPE FLEECE
	SEPARATION LAYER	SCREEN TAPE POLYESTER INSIDE - ALLUMINIUM OUTSIDE
	SCREEN	BRAID SCREEN TINNED COPPER 85 % ± 5 %
OVERALL STRANDING	SHEATH	BLACK INNER SHEATH POLYPROPYLENE (PP)
	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	FLEECE
	SCREEN	BRAID SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	FLEECE
	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	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
61272	(4G1+1X(2X0,75)+1X(2X22AWG)) (4G18AWG+1X(2X19AWG)+1X(2X22AWG))	✓		500	12.8	230
61273	(4G1,5+1X(2X1)+1X(2X22AWG)) (4G16AWG+1X(2X18AWG)+1X(2X22AWG))	✓		500	13.2	250
61274	(4G2,5+1X(2X1)+1X(2X22AWG)) (4G14AWG+1X(2X18AWG)+1X(2X22AWG))	✓		500	14.6	315
61275	(4G4+1X(2X1,5)+1X(2X22AWG)) (4G12AWG+1X(2X16AWG)+1X(2X22AWG))	✓			16.8	430
61276	(4G6+1X(2X1,5)+1X(2X22AWG)) (4G10AWG+1X(2X16AWG)+1X(2X22AWG))	✓			18.4	520
61277	(4G10+1X(2X1,5)+1X(2X22AWG)) (4G08AWG+1X(2X16AWG)+1X(2X22AWG))	✓			21	760

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