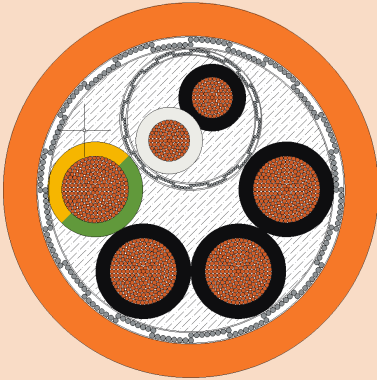


DYNAMIC APPLICATION

FRX[®] PLUS SERVO WITH PAIR



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10,0 M/S²
ACCELERATION**



**20,0 M
CABLE LENGTH**



**180,0 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	7.5xØ	4.0xØ
25.00	95.00	10.0xØ	5.0xØ

DESCRIPTION

UL/CSA certified flexible servomotor cables designed for dynamic application in drag chains, between the motor and frequency converter. Suitable for indoor and outdoor use. 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 21179
90°C 1000V**



**AWM I/II A/B 90°C
1000V**



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



DYNAMIC
-5 °C +90 °C
STATIC
-40 °C +90 °C
OCCASIONAL FLEXING
-20 °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 %
	SEPARATION LAYER	INNER TAPE NON-WOVEN TAPE
CONTROL PAIR SCREENED (TWO PAIRS)	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK CORE WITH WHITE PRINTED NUMBERS
	FILLER	FILLER OPTIONAL POLYPROPYLENE
	SEPARATION LAYER	TAPE SHIELD MYLAR INSIDE - ALLUMINIUM OUTSIDE
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	INNER SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	INNER TAPE NON-WOVEN TAPE
OVERALL STRANDING (ONE PAIR)	FILLER	FILLER POLYPROPYLENE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	ORANGE, RAL: 2003, DESINA: YES
OVERALL STRANDING (TWO PAIRS)	FILLER	FILLER POLYPROPYLENE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	ORANGE, RAL: 2003, DESINA: YES

PRODUCTS FEATURES



FIRE PERFORMANCE

DIN VDE 0482-332-1-2
DIN EN 60332-1-2
UL 1581
UL CABLE FLAME
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE

VDE 0207-363-4-1
IEC 60811-404
CEI EN 50363-4-1
UL 1581



UV PERFORMANCE

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



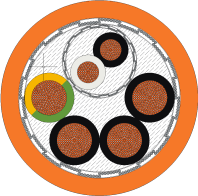
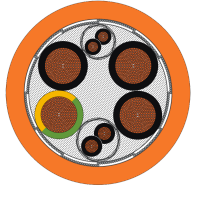
WATER PERFORMANCE

UL 1581
IEC 60811
EN 50396 HYDROLYSES RESISTANCE



HYDROCARBONS PERFORMANCE

UL 1581

REFERENCE DRAW	TECO CODE	OEM REF.	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
	46327		[4G0,75+(2X0,50)ST]ST [4GAWG19+(2XAWG21)ST]ST	✓		500	9.2	140
	46328		[4G1,50+(2X1,00)ST]ST [4GAWG16+(2XAWG18)ST]ST	✓		500	10.8	200
	46329	SIEMENS 6FX5008- 1BA11	[4G1,50+(2X1,50)ST]ST [4GAWG16+(2XAWG16)ST]ST	✓		500	11.4	240
	46330		[4G2,50+(2X1,00)ST]ST [4GAWG14+(2XAWG18)ST]ST	✓		500	12.4	290
	46331	SIEMENS 6FX5008- 1BA21	[4G2,50+(2X1,50)ST]ST [4GAWG14+(2XAWG16)ST]ST	✓		500	13.2	310
	46332		[4G4,00+(2X1,00)ST]ST [4GAWG12+(2XAWG18)ST]ST	✓		500	13.8	380
	46333	SIEMENS 6FX5008- 1BA31	[4G4,00+(2X1,50)ST]ST [4GAWG12+(2XAWG16)ST]ST	✓		500	14.6	410
	46334	SIEMENS 6FX5008- 1BA41	[4G6,00+(2X1,50)ST]ST [4GAWG08+(2XAWG16)ST]ST	✓			16.6	510
	46335	SIEMENS 6FX5008- 1BA51	[4G10,00+(2X1,50)ST]ST [4GAWG08+(2XAWG16)ST]ST	✓			20.8	770
	46336	SIEMENS 6FX5008- 1BA61	[4G16,00+(2X1,50)ST]ST [4GAWG06+(2XAWG16)ST]ST	✓			23.4	1150
	46337	SIEMENS 6FX5008- 1BA25	[4G25,00+(2X1,50)ST]ST [4GAWG04+(2XAWG16)ST]ST	✓			27	1600
	46338	SIEMENS 6FX5008- 1BA35	[4G35,00+(2X1,50)ST]ST [4GAWG02+(2XAWG16)ST]ST	✓			31.2	1950
	46341	INDRAMAT INK 650	[4G1,50+2X(2X0,75)ST]ST [4GAWG16+2X(2XAWG19)ST]ST	✓		500	12	235
	46342	INDRAMAT INK 602	[4G2,50+2X(2X1,00)ST]ST [4GAWG14+2X(2XAWG18)ST]ST	✓			14.5	320
	46343	INDRAMAT INK 603	[4G4,00+(2X1,00)ST+(2X1,50)ST]ST [4XAWG12+(2XAWG18)ST+ (2XAWG16)ST]ST	✓			16.2	430
	46344	INDRAMAT INK 604	[4G6,00+(2X1,00)ST+(2X1,50)ST]ST [4XAWG10+(2XAWG18)ST+ (2XAWG16)ST]ST	✓			18.2	570
	46345	INDRAMAT INK 605	[4G10,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG08+(2XAWG18)ST+ (2XAWG16)ST]ST	✓			22.4	889

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