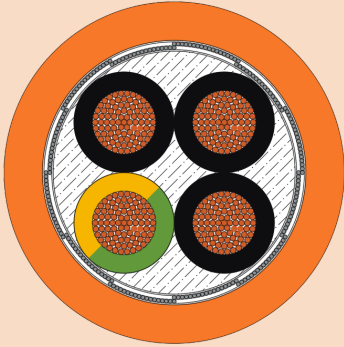


DYNAMIC APPLICATION

FRX[®] PLUS SERVO



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. 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
	SEPARATION LAYER	INNER TAPE POLYESTER TRANSPARENT OR NON- WOVEN TAPE
OVERALL STRANDING SERVO	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	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

TECO CODE	OEM REF.	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46314		(3G1,50)ST (3GAWG16)ST	✓	100	500	7.8	95	BLACK CORE WITH WHITE PRINTED NUMBER + GREEN-YELLOW
46316	SIEMENS 6FX5008-1BB11	(4G1,50)ST (4GAWG16)ST	✓	100	500	8.8	135	
46317	SIEMENS 6FX5008-1BB21	(4G2,50)ST (4GAWG14)ST	✓		500	10.3	180	
46318	SIEMENS 6FX5008-1BB31	(4G4,00)ST (4GAWG12)ST	✓		500	12.2	255	
46319	SIEMENS 6FX5008-1BB41	(4G6,00)ST (4GAWG10)ST	✓		500	14	370	
46320	SIEMENS 6FX5008-1BB51	(4G10,00)ST (4GAWG08)ST	✓			18	650	
46321	SIEMENS 6FX5008-1BB61	(4G16,00)ST (4GAWG06)ST	✓			22	1100	
46322	SIEMENS 6FX5008-1BB25	(4G25,00)ST (4GAWG04)ST	✓			26	1550	
46323	SIEMENS 6FX5008-1BB35	(4G35,00)ST (4GAWG02)ST	✓			30.6	2000	
46324	SIEMENS 6FX5008-1BB50	(4G50,00)ST (4GAWG1)ST	✓			35.2	3200	
46325	SIEMENS 6FX5008-1BB70	(4G70,00)ST (4GAWG2/0)ST	✓			41	3800	

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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