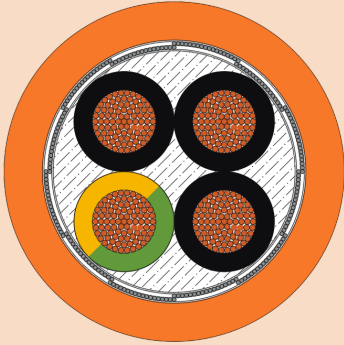


# DYNAMIC APPLICATION

## FRX® PLUS SERVO



### APPLICATIVE FEATURES



UP TO 5 MILLION  
GUARANTEED CYCLES



10,0 M/S<sup>2</sup>  
ACCELERATION



20,0 M  
CABLE LENGTH



180,0 M/MIN  
TRAVEL SPEED



#### MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.0	7.5xØ	4.0xØ
25.0	95.0	10.0xØ	5.0xØ

### 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)  
U<sub>0</sub>/U 0,6/1 KV (VDE)



TEST VOLTAGE  
4,0 KV  
TEST VOLTAGE REFERENCE  
EN 50395 PART 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 TAPE 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  
IEC 6033-1-2  
UL 1581 SEC.1061 CABLE FLAME  
UL VW-1  
CSA FT1



### OIL PERFORMANCE

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



### 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)

TECO CODE	OEM REF.	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC
46314		(3G1,50)ST (3GAWG16)ST	✓	100		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	✓			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	
46326	SIEMENS 6FX5008- 1BB95	(4G95,00)ST (4GAWG3/0)ST	✓			46	5100	

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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