

DYNAMIC APPLICATION

FRX® PLUS SERVO

APPLICATIVE FEATURES



UP TO 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	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), UO/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 ACC. TO EN 50395
PART. 8

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 % \pm 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 CABLE FLAME, UL VW-1, CSA FT1



OIL PERFORMANCE

VDE 0473-811-404; IEC 60811-404 (EU); CEI EN 50363-4-1 (EU); 1581 (UL)



UV PERFORMANCE

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



WATER PERFORMANCE

UL 1581; IEC 60811



HYDROCARBONS PERFORMANCE

UL 1581

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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