

DYNAMIC APPLICATION

FRX® PLUS SERVO WITH PAIR

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	16.00	7.5xØ	4.0xØ
25.00	95.00	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

CONTROL PAIR SCREENED

CONDUCTOR

CL6 EXTRA-FLEXIBLE.
BARE COPPER.

INSULATION

POLYPROPYLENE COMPOUND (PP)

INSULATION COLOR

BLACK CORE AND WHITE CORE.

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

INTERMEDIATE TAPE
POLYESTER TRANSPARENT.

SCREEN

SCREEN
TINNED COPPER
85 % \pm 5 %

SEPARATION LAYER

INTERMEDIATE TAPE
POLYESTER TRANSPARENT.

CONSTRUCTION FEATURES

CONTROL PAIR SCREENED (TWO PAIR)	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK CORE AND WHITE CORE.
	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	INTERMEDIATE TAPE POLYESTER TRANSPARENT.
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	INTERMEDIATE TAPE POLYESTER TRANSPARENT.
OVERALL STRANDING ONE PAIR	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	ORANGE , RAL: 2003, DESINA: YES
	OVERALL STRANDING TWO PAIR	FILLER
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	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 60332-1-2, UL CABLE FLAME, UL VW-1, CSA FT1.



OIL PERFORMANCE

VDE 0473-811-404 IEC 60811-404 (EU) CEI EN 50363-10-2 1581 (UL)



UV PERFORMANCE

ACCORDING TO ISO 4892-2, EN 50289-4-17, 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]
46327		[4G0,75+(2X0,50)ST]ST [4GAWG19+(2XAWG21)ST]ST	✓	100	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
46341	INDRAMAT INK 650	[4G1,50+2X(2X0,75)ST]ST [4GAWG16+2X(2XAWG19)ST]ST	✓		500	12	235
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	✓			13.2	310
46342	INDRAMAT INK 602	[4G2,50+2X(2X1,00)ST]ST [4GAWG14+2X(2XAWG18)ST]ST	✓			14.5	320
46332		[4G4,00+(2X1,00)ST]ST [4GAWG12+(2XAWG18)ST]ST	✓			13.8	380
46333	SIEMENS 6FX5008-1BA31	[4G4,00+(2X1,50)ST]ST [4GAWG12+(2XAWG16)ST]ST	✓			14.6	410
46343	INDRAMAT INK 603	[4G4,00+(2X1,00)ST+(2X1,50)ST]ST [4XAWG12+(2XAWG18)ST+(2XAWG16)ST]ST	✓			16.2	430
46334	SIEMENS 6FX5008-1BA41	[4G6,00+(2X1,50)ST]ST [4GAWG08+(2XAWG16)ST]ST	✓			16.6	510
46344	INDRAMAT INK 604	[4G6,00+(2X1,00)ST+(2X1,50)ST]ST [4XAWG10+(2XAWG18)ST+(2XAWG16)ST]ST	✓			18.2	570
46335	SIEMENS 6FX5008-1BA51	[4G10,00+(2X1,50)ST]ST [4GAWG08+(2XAWG16)ST]ST	✓			20.8	770
46345	INDRAMAT INK 605	[4G10,00+(2X1,00)ST+(2X1,50)ST]ST [4GAWG08+(2XAWG18)ST+(2XAWG16)ST]ST	✓			22.4	889
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

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