

# DYNAMIC APPLICATION

## FRX® PLUS SIGNAL-ST

### APPLICATIVE FEATURES



UP TO 5 MILION CYCLES  
GUARANTEED CYCLES



10 M/SEC<sup>2</sup>  
ACCELERATION



10,0M  
CABLE LENGTH



180 M/MIN  
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,14	1.00	7,5xØ	6xØ

### APPROVALS



AWM STYLE 20042  
90°C 300V



AWM I/II A/B 90°C  
300V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

### TECHNICAL DATA



DYNAMIC -5°C +90°C  
STATIC -40°C +90°C



NOMINAL VOLTAGE 300V



TEST VOLTAGE 2,0 KV



INSULATION RESISTANCE >100  
MOHM/KM (AT 90°C)

### CONSTRUCTION FEATURES

SIGNAL CONDUCTORS	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD.
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GRAY , RAL: 7001, DESINA: NO

## 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 50363-4-1 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	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
46637	(2X0,34)ST (2XAWG22)ST	✗	100	500	4.8	32
46656	(2X0,50)ST (2XAWG21)ST	✓	100	500	5.3	45
46638	(3X0,34)ST (3XAWG22)ST	✓	100	500	5	35
46639	(4X0,34)ST (4XAWG22)ST	✗	100	500	5.4	54
46640	(5X0,34)ST (5XAWG22)ST	✓	100	500	5.7	56
46641	(6X0,34)ST (6XAWG22)ST	✗	100	500	6.2	70
46643	(8X0,34)ST (8XAWG22)ST	✓	100	500	7.2	85
46644	(12X0,34)ST (12XAWG22)ST	✓	100	500	7.9	108
46645	(18X0,34)ST (18XAWG22)ST	✓	100	500	9.2	125
46646	(25X0,34)ST (25XAWG22)ST	✓		500	11.2	150

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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