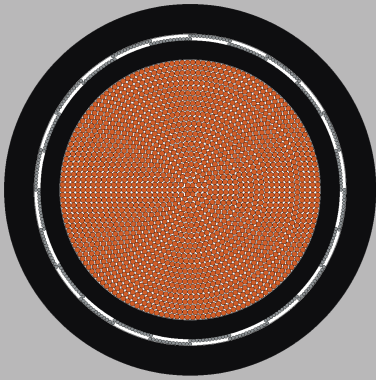


## DYNAMIC APPLICATION

# FRX® PLUS

## POWER&CONTROL SINGLE CORE-ST



### APPLICATIVE FEATURES



**UP TO 5 MILLION  
GUARANTEED CYCLES**



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



**15,0 M  
CABLE LENGTH**



**180,0 M/MIN  
TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
4.00	16.00	7.5xØ	4.0xØ
25.00	240.00	10.0xØ	6.0xØ

### APPROVALS



**AWM STYLE 10678  
90°C 1000V**

E244280



**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**



**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**

### CONSTRUCTION FEATURES

#### POWER CONDUCTORS

CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER.
INSULATION	POLYPROPYLENE COMPOUND (PP)
INSULATION COLOR	BLACK RAL 9005 OR GREEN-YELLOW
SEPARATION LAYER	INNER TAPE POLYESTER TRANSPARENT TAPE OR NON-WOVEN TAPE

#### OVERALL STRANDING

SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
SEPARATION LAYER	TAPE NON-WOVEN TAPE
SHEATH	PVC COMPOUND.
SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

## 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**  
ACCORDING TO CEI EN 50289-4-17  
ISO 4892-2  
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]	MAX. CONDUCTOR RESISTANCE @20°C [OHM/KM]	MAX. GROUND CONDUCTOR RESISTANCE @20°C [OHM/KM]	CURRENT CARRYING CAPACITIES @30°C [A].
46459	(1X6,00)ST (1XAWG10)ST	✓	100	500	7.2	120			
46462	(1X25,00)ST (1XAWG25)ST	✓			11.4	350			
46463	(1X35,00)ST (1XAWG02)ST	✓			13.3	475			
46464	(1X50,00)ST (1XAWG01)ST	✓			15.6	700			
46465	(1X70,00)ST (1XAWG2/0)ST	✓			17.6	870			
46466	(1X95,00)ST (1XAWG3/0)ST	✓			20	1240			
46467	(1X120,00)ST (1XAWG4/0)ST	✓			22.6	1450			
46468	(1X150,00)ST (1X250KCMIL)ST	✓			24.4	1690			
46469	(1X185,00)ST (1X350KCMIL)ST	✓			26.8	2340			

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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