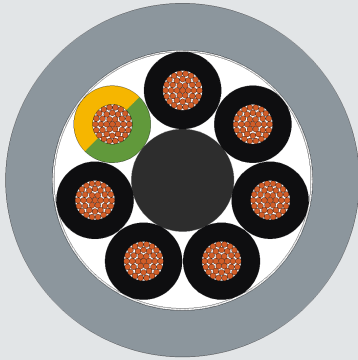


## DYNAMIC APPLICATION

# FRX® PLUS

## POWER&CONTROL MULTICORE



### 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	16.00	7.5xØ	4.0xØ
25.00	50.00	10.0xØ	5.0xØ

### APPROVALS



**AWM STYLE 21179  
90°C 1000V**



**AWM I/II A/B 90°C  
1000V**



**2014/35/CEE**



**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 ACC. TO EN 50395  
PRT.8

### CONSTRUCTION FEATURES

#### POWER CONDUCTORS

##### CONDUCTOR

**CL6 EXTRA-FLEXIBLE.  
BARE COPPER.**

##### INSULATION

**POLYPROPYLENE COMPOUND (PP)**

##### INSULATION COLOR

**BLACK CORE WITH WHITE PRINTED NUMBER + GREEN  
YELLOW**

##### FILLER

**FILLER  
POLYPROPYLENE**

##### SEPARATION LAYER

**TAPE  
NON-WOVEN TAPE**

#### OVERALL STRANDING

##### FILLER

**FILLER  
POLYPROPYLENE**

##### SEPARATION LAYER

**TAPE  
NON-WOVEN TAPE**

##### SHEATH

**PVC COMPOUND.**

##### SHEATH COLOUR

**GRAY, RAL: 7001, DESINA: NO**

## PRODUCTS FEATURES

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### 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	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	SHEATH COLOUR EXC
46439	2X0,50 2XAWG21	✗	100	500	5.2	40	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46378	2X1,00 2XAWG18	✗	100	500	6	55	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46346	3G0,50 3GAWG21	✓	100	500	5.5	58		
46373	3G0,75 3GAWG19	✓	100	500	6.2	60		
46440	3G1,00 3GAWG18	✗	100		6.3	65		
46391	3G1,50 3GAWG16	✓	100	500	7.2	85		
46399	3G2,50 3GAWG14	✓	100	500	8.4	140		
46405	3G4,00 3GAWG12	✓		500	10.2	220		
46347	4G0,50 4GAWG21	✓	100	500	6.2	60		
46372	4X0,50 4XAWG21	✗	100	500	6.2	60	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46382	4G1,00 4GAWG18	✓	100	500	6.8	85		
46398	4G1,50 4GAWG16	✓	100	500	7.8	110		
46400	4G2,50 4GAWG14	✓		500	9.2	180		
46406	4G4,00 4GAWG12	✓		500	11.2	250		
46407	4G6,00 4GAWG10	✓			13.4	360		
46409	4G10,00 4GAWG08	✓			17	610		
46411	4G16,00 4GAWG06	✓			22	980		
46374	5G0,75 5GAWG19	✓	100	500	7.3	85		
46383	5G1,00 5GAWG18	✓	100	500	7.7	95		
46392	5G1,50 5GAWG16	✓	100		8.6	140		
46401	5G2,50 5GAWG14	✓		500	10.6	220		
46408	5G6,00 5GAWG10	✓			15	450		
46410	5G10,00 5GAWG08	✓			19	870		
46348	7G0,50 7GAWG21	✓	100	500	7.6	85		
46375	7G0,75 7GAWG19	✓	100	500	8.6	125		
46384	7G1,00 7GAWG18	✓	100	500	9.2	150		
46393	7G1,50 7GAWG16	✓		500	10	215		
46402	7G2,50 7GAWG14	✓		500	12.4	290		
46349	12G0,50 12GAWG21	✓		500	9.6	130		
46376	12G0,75 12GAWG19	✓		500	10.2	180		
46385	12G1,00 12GAWG18	✓		500	10.8	200		
46386	12X1,00 12XAWG18	✓		500	10.8	200	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46394	12G1,50 12GAWG16	✓		500	12.4	290		

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	SHEATH COLOUR EXC
46403	12G2,50 12GAWG14	✓			15	450		
46350	18G0,50 18GAWG21	✓		500	10.8	190		
46377	18G0,75 18GAWG19	✓		500	11.9	245		
46387	18G1,00 18GAWG18	✓		500/100	12.9	260		
46395	18G1,50 18GAWG16	✓			15.4	415		
46351	25G0,50 25GAWG21	✓		500/100	13.2	280		
46388	25G1,00 25XAWG18	✓		500	15.2	460		
46396	25G1,50 25GAWG16	✓			19	590		
46404	25G2,50 25GAWG14	✓			22	900		
46352	33G0,50 33GAWG21	✓			14.2	320		
46389	34G1,00 34GAWG18	✓			17.5	540		
46390	50G1,00 50GAWG18	✓			21.2	880		

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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