

# DYNAMIC APPLICATION

## FRX® PLUS ENCODER&RESOLVER 6

### APPLICATIVE FEATURES



**UP TO 5 MIO  
GUARANTEED CYCLES**



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



**20,0M  
CABLE LENGTH**



**180,00M/MIN  
TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,14	1.00	7.5xØ	6.0xØ

### 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  
(UL/CSA)**



**TEST VOLTAGE C/C  
2000VRMS,1MIN;  
CORE/OVERALL SCREEN  
2000VRMS,1MIN**



**INSULATION RESISTANCE ≥1  
GOHM/KM**

### CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD.
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD.
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE COMPOUND (PP)
	SEPARATION LAYER	WRAPPING NON-WOVEN TAPE
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	OVERALL WRAPPING NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GREEN , RAL: 6018, 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 50363-4-1 (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
46631	(3X2X0,34+2X0,50)CCST (3X2XAWG22+2XAWG21)CCST	✓	100	500	8.6	99	GROUP 1 3X2X0,34 : WH-BN, GY-PK, GN-YE GROUP 2 2X0,50 : RD-BU

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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