

# DYNAMIC APPLICATION

## FRX® PLUS ENCODER&RESOLVER 8

### 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.<br>TINNED COPPER        |
|                   | INSULATION       | POLYPROPYLENE COMPOUND (PP)                 |
|                   | INSULATION COLOR | VARIOUS COLOURS                             |
|                   | SEPARATIONLAYER  | TAPE<br>POLYESTER TRANSPARENT.              |
|                   | SCREEN           | PAIRS SCREEN<br>TINNED COPPER<br>85 % ± 5 % |
|                   | SHEATH           | INNER JACKET<br>POLYOLEFIN COMPOUND.        |
| OVERALL STRANDING | FILLER           | FILLER<br>POLYPROPYLENE                     |
|                   | SEPARATIONLAYER  | WRAPPING<br>NON-WOVEN TAPE                  |
|                   | SCREEN           | SCREEN<br>TINNED COPPER<br>85 % ± 5 %       |
|                   | SEPARATIONLAYER  | OVERALL WRAPPING<br>NON-WOVEN TAPE          |
|                   | SHEATH           | PVC COMPOUND.                               |
|                   | SHEATH COLOUR    | GREEN<br>, 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                                 |
|-----------|---------------------------------------|-----|-----------|-----------|------------|----------------|---|
| 46633     | [4X(2X0,25)ST]ST<br>[4X(2XAWG24)ST]ST | ✓   |           | 500       | 9.2        | 111            | GROUP 1 4X(2X0,25) : WH-YE, WH-BU, WH-RD, WH-GN |

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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