

DYNAMIC APPLICATION

FRX® PLUS ENCODER&RESOLVER 5

APPLICATIVE FEATURES



UP TO 5 MIO
GUARANTEED CYCLES



10,0M/SEC²
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 -5 °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 | VARIOUS COLOURS |
| | DRAINWIRE | DRAIN WIRE TINNED COPPER |
| | SCREEN | SCREEN SF TINNED COPPER 90 % ± 5 % |
| | SEPARATION LAYER | TAPE POLYESTER TRANSPARENT. |
| | SHEATH | INNER JACKET POLYOLEFIN COMPOUND. |
| GROUP 2 | CONDUCTOR | CL6 EXTRA-FLEXIBLE. TINNED COPPER |
| | INSULATION | POLYPROPYLENE COMPOUND (PP) |
| | INSULATION COLOR | VARIOUS COLOURS |
| GROUP 3 | CONDUCTOR | CL6 EXTRA-FLEXIBLE. TINNED COPPER |
| | INSULATION | POLYPROPYLENE COMPOUND (PP) |
| | INSULATION COLOR | VARIOUS COLOURS |

CONSTRUCTION FEATURES

| | | |
|-------------------|------------------|---------------------------------------|
| GROUP 4 | CONDUCTOR | CL6 EXTRA-FLEXIBLE. TINNED COPPER |
| | INSULATION | POLYPROPYLENE COMPOUND (PP) |
| OVERALL STRANDING | FILLER | FILLER POLYPROPYLENE |
| | SEPARATION LAYER | WRAPPING NON-WOVEN TAPE |
| | 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

| | | |
|---|--|--|
|  <p>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</p> |  <p>OIL PERFORMANCE VDE 0473-811-404; IEC 60811-404 (EU); CEI EN 50363-4-1 (EU); 1581 (UL)</p> |  <p>UV PERFORMANCE CEI EN 50289-4-17, ISO 4892-2, ASTM-D-2565-16</p> |
|  <p>WATER PERFORMANCE UL 1581, IEC 60811</p> |  <p>HYDROCARBONS PERFORMANCE UL 1581</p> | |

| TECO CODE | OEM REF. | FORMATION | CUT | ROLLS [M] | DRUMS [M] | EXT Ø [MM] | WEIGHT [KG/KM] | INS. COLOUR EXC |
|-----------|--------------------------|---|-----|-----------|-----------|------------|----------------|--|
| 46630 | SIEMENS 6FX5008-1BD51 | [3X(2X0,14)CCSF-R+4X0,14+4X0,25+2X0,50]ST [3X(2XAWG26)CC/SF+4XAWG26+4XAWG24+2XAWG21]ST | ✓ | | 500 | 9.8 | 142 | GROUP 1 3X(2X0,14) : YE-GN, RD-OR, BK-BN GROUP 2 4X0,14 : GY, BU, WH/YE*, WH/BK* GROUP 2 4X0,25 : BN/YE*, BN/GY*, GN/BK*, GN/RD* GROUP 2 2X0,50 : BN/RD*, BN/BU* *RINGED BICOLOUR |

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.
Company managed and coordinated by Fangen S.r.l.. All rights reserved. No reproduction permitted without written permission from TE.CO. Tecnologia Commerciale S.p.A.