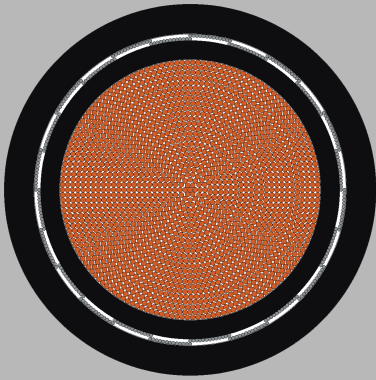


DYNAMIC APPLICATION

FRX® PLUS

POWER&CONTROL SINGLE CORE-ST



APPLICATIVE FEATURES



**UP TO 5 MILLION
GUARANTEED CYCLES**



**10,0 M/S²
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)
U₀/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] |
|-----------|--------------------------------|-----|-----------|-----------|------------|----------------|
| 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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