

DYNAMIC APPLICATION

PMXX® PLUS SERVO

APPLICATIVE FEATURES



UP TO 5 MILLION
GUARANTEED CYCLES



50,0 M/S²
ACCELERATION



25,0 M
CABLE LENGTH



300,0 M/MIN
TRAVEL SPEED



MINIMUM BENDING RADIUS

| CROSS SECTION | CROSS SECTION MAX | DYNAMIC INSTALLATION | STATIC INSTALLATION |
|---------------|-------------------|----------------------|---------------------|
| 0.50 | 16.00 | 6xØ | 3xØ |
| 25.00 | 95.00 | 10xØ | 5xØ |

APPROVALS



AWM STYLE 21209
90°C 1000V



AWM I/II A/B 90°C
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006



IEC 60754-1
EN 50267-1

TECHNICAL DATA



STORAGE -50°C +80°C
DYNAMIC -30°C +90°C
STATIC -40°C +90°C



NOMINAL VOLTAGE 1000 V
(UL/CSA) UO/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 CORE WITH WHITE
PRINTING (U/L1/C/L+, V/L2,
W/L3/D/L-) + GREEN-YELLOW.

SEPARATION LAYER

INNER TAPE
POLYESTER TRANSPARENT TAPE
OR NON-WOVEN TAPE

OVERALL STRANDING SERVO

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

SCREEN

SCREEN
TINNED COPPER
85 % ± 5 %

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

SHEATH

POLYURETHANE COMPOUND
(TPU)

SHEATH COLOUR

ORANGE
, RAL: 2003, DESINA: YES

PRODUCTS FEATURES

FIRE PERFORMANCE

Self-extinguishing and flame retardant acc. to 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 50363-10-2, 1581 (UL)



UV PERFORMANCE

according to ISO 4892-2, EN 50289-4-17, ASTM-D-2565-16



WATER PERFORMANCE

UL 1581 - IEC 60811-1-3



COLD PERFORMANCE

EN60811-1-4



ABRASION PERFORMANCE

ASTM D 4060



MUD PERFORMANCE

Nek 606



MICROBE PERFORMANCE

VDE 0282/10



HOZONE PERFORMANCE

EN 50396 art. 8.1.3

| TECO CODE | OEM REF. | FORMATION | CUT | ROLLS [M] | DRUMS [M] | EXT Ø [MM] | WEIGHT [KG/KM] |
|-----------|-----------------------|-----------------------------|-----|-----------|-----------|------------|----------------|
| 46158 | | (3G1,50)ST (3GAWG16)ST | ✓ | 100 | 500 | 8.2 | 110 |
| 46159 | | (3G2,50)ST (3GAWG14)ST | ✓ | | 500 | 9.6 | 170 |
| 46160 | | (4G1,00)ST (4GAWG18)ST | ✓ | 100 | 500 | 8.2 | 100 |
| 46161 | SIEMENS 6FX8008-1BB11 | (4G1,50)ST (4GAWG16)ST | ✓ | 100 | 500 | 9 | 140 |
| 46162 | SIEMENS 6FX8008-1BB21 | (4G2,50)ST (4GAWG14)ST | ✓ | | 500 | 10.6 | 198 |
| 46163 | SIEMENS 6FX8008-1BB31 | (4G4,00)ST (4GAWG12)ST | ✓ | | 500/100 | 12.3 | 265 |
| 46164 | SIEMENS 6FX8008-1BB41 | (4G6,00)ST (4GAWG10)ST | ✓ | | 100 | 14.5 | 400 |
| 46165 | SIEMENS 6FX8008-1BB51 | (4G10,00)ST (4GAWG08)ST | ✓ | | | 17.5 | 590 |
| 46166 | SIEMENS 6FX8008-1BB61 | (4G16,00)ST (4GAWG06)ST | ✓ | | | 21.6 | 1010 |
| 46167 | SIEMENS 6FX8008-1BB25 | (4G25,00)ST (4GAWG04)ST | ✓ | | | 25 | 1480 |
| 46168 | SIEMENS 6FX8008-1BB35 | (4G35,00)ST (4GAWG02)ST | ✓ | | | 29.4 | 1950 |
| 46169 | SIEMENS 6FX8008-1BB50 | (4G50,00)ST (4GAWG01)ST | ✓ | | | 34 | 2850 |
| 46170 | SIEMENS 6FX5008-1BB70 | (4G70,00)ST (4GAWG2/0)ST | ✓ | | | 39.9 | 3965 |
| 46171 | SIEMENS 6FX8008-1BB95 | (4G95,00)ST (4GAWG3/0)ST | ✓ | | | 47.5 | 5200 |

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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