

DYNAMIC APPLICATION

PMXX® PLUS POWER&CONTROL MULTICORE-ST

APPLICATIVE FEATURES



UP TO 5 MILLIONS CYCLES
GUARANTEED CYCLES



UP TO 50 M/S2
ACCELERATION



UP TO 20,0 M
CABLE LENGTH



UP TO 300 M/MIN
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	6.0xØ	4.0xØ
25.00	95.00	10.0xØ	4.0xØ

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) 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 CORE WITH WHITE PRINTED
NUMBER + GREEN YELLOW

SEPARATION LAYER

INNER TAPE
POLYESTER TRANSPARENT TAPE
OR NON-WOVEN TAPE

OVERALL STRANDING

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

SCREEN

SCREEN
TINNED COPPER
85 % ± 5 %

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

SHEATH

POLYURETHANE COMPOUND
(TMPU)

SHEATH COLOUR

GRAY
, RAL: 7001, DESINA: NO

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), EI EN 50363-10-2 (EU) 1581 (UL)



UV PERFORMANCE

Resistant to UV radiation according to ISO 4892-2, EN 50289-4-17 or ASTM-D-2565-16



WATER PERFORMANCE
UL 1581 - IEC 60811-1-3



COLD PERFORMANCE
EN 60811-1-4



ABRASION PERFORMANCE
ASTM D 4060



MUD PERFORMANCE
NEK 606



MICROBE PERFORMANCE
VDE 0282/10



HOZONE PERFORMANCE
EN 50396 Art. 8.1.3

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
46282	(2X0,75)ST (2XAWG19)ST	✗	100	500	6.3	58
46281	(4G0,50)ST (4GAWG21)ST	✓		500	6.7	70
46734	(4G0,75)ST (4GAWG19)ST	✓	100	500	7.2	80
46266	(5G0,75)ST (5GAWG19)ST	✓	100	500	7.8	100
46267	(5G1,00)ST (5GAWG18)ST	✓	100	500	8.3	120
46268	(5G1,50)ST (5GAWG16)ST	✓		500	9.8	165
46269	(5G2,50)ST (5GAWG14)ST	✓		500	11.2	235
46270	(7G0,75)ST (7GAWG19)ST	✓		500	9.2	130
46271	(7G1,00)ST (7GAWG18)ST	✓		500	9.8	160
46272	(7G1,50)ST (7GAWG16)ST	✓		500	11.5	230
46273	(7G2,50)ST (7GAWG14)ST	✓			13.5	340
46274	(12G1,00)ST (12GAWG18)ST	✓		500	11.8	230
46275	(12G1,50)ST (12GAWG16)ST	✓			13.8	320
46276	(12G2,50)ST (12GAWG14)ST	✓			16	495
46277	(18G1,00)ST (18GAWG18)ST	✓			13.4	315
46278	(18G1,50)ST (18GAWG16)ST	✓			16.3	480
46279	(25G1,00)ST (25GAWG18)ST	✓			16	460

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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