

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	6xØ	4xØ
25.00	95.00	10xØ	4xØ

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
	SEPARATIONLAYER	INNER TAPE POLYESTER TRANSPARENT TAPE OR NON-WOVEN TAPE
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	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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