

# DYNAMIC APPLICATION

## PMXX® PLUS POWER&CONTROL SINGLE CORE-ST

### APPLICATIVE FEATURES



UP TO 5 MILLIONS CYCLES  
GUARANTEED CYCLES



UP TO 50 M/S<sup>2</sup>  
ACCELERATION



UP TO 15,0 M  
CABLE LENGTH



UP TO 300 M/MIN  
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
4.00	16.00	7xØ	5xØ
16.00	240.00	10xØ	5xØ

### APPROVALS



AWM STYLE 11773  
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 +90°C  
DYNAMIC -30°C +90°  
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 RAL 9005 OR GREEN- YELLOW
	SEPARATIONLAYER	INNER TAPE POLYESTER TRANSPARENT TAPE OR NON-WOVEN TAPE
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATIONLAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	MATTE BLACK , RAL: 9005, 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

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]
46303	(1X6,00)ST (1XAWG10)ST	✓	100	500	7.3	99
46304	(1X10,00)ST (1XAWG8)ST	✓		500	8.8	180
46305	(1X16,00)ST (1XAWG06)ST	✓		500	10	275
46306	(1X25,00)ST (1XAWG04)ST	✓			11.5	380
46307	(1X35,00)ST (1XAWG2)ST	✓			13.2	480
46308	(1X50,00)ST (1XAWG01)ST	✓			15.6	590
46309	(1X70,00)ST (1XAWG2/0)ST	✓			17.5	820
46310	(1X95,00)ST (1XAWG3/0)ST	✓			20	1200
46311	(1X120,00)ST (1XAWG4/0)ST	✓			22.5	1400
46312	(1X150,00)ST (1X250KCMIL)ST	✓			24.6	1700

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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