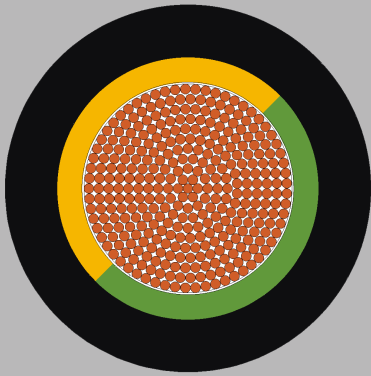


## DYNAMIC APPLICATION

# PMXX® PLUS

## POWER&CONTROL SINGLE CORE



### APPLICATIVE FEATURES



**UP TO 5 MILLION  
GUARANTEED CYCLES**



**50,0 M/SEC<sup>2</sup>  
ACCELERATION**



**15,0M  
CABLE LENGTH**



**300,0 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**



**2011/65/UE**



**1907/2006**



**IEC 60754-1  
EN 50267-1**

### TECHNICAL DATA



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



**NOMINAL VOLTAGE**  
1000 V (UL/CSA) U<sub>0</sub>/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

#### 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)  
CEI EN 50363-10-2(EU)  
1581(UL).



### UV PERFORMANCE

ISO 4892-2  
ASTM-D-2565-16  
EN 50289-4-17.



### 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]	MAX. CONDUCTOR RESISTANCE @20°C [OHM/KM]	MAX. GROUND CONDUCTOR RESISTANCE @20°C [OHM/KM]	CURRENT CARRYING CAPACITIES @30°C [A].
46283	1G4,00 1GAWG12	✗	100	500	5.8	68			
46293	1X6,00 1XAWG10	✓	100	500	6.6	95			
46284	1G6,00 1GAWG10	✓	100	500	6.6	95			
46294	1X10,00 1XAWG08	✓		500	8	150			
46285	1G10,0 1GAWG08	✓	100	500	8	150			
46295	1X16,00 1XAWG06	✓		500	9.3	240			
46286	1G16,00 1GAWG06	✓	100		9.3	195			
46296	1X25,00 1XAWG04	✓		500	11	325			
46287	1G25,00 1GAWG04	✓			11	325			
46297	1X35,00 1XAWG02	✓			12.6	410			
46288	1G35,00 1GAWG02	✓			12.6	410			
46298	1X50,00 1XAWG01	✓			14.7	685			
46289	1G50,00 1GAWG01	✓			14.7	685			
46299	1X70,00 1XAWG2/0	✓			16.8	790			
46300	1X95,00 1XAWG3/0	✓			19	1100			
46301	1X120,00 1XAWG4/0	✓			21.2	1350			

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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