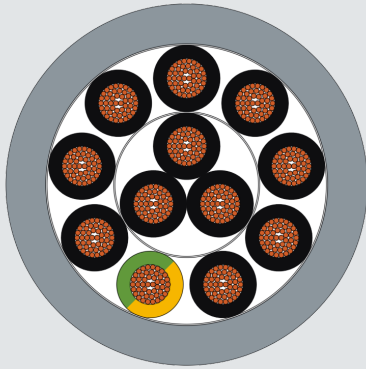


## DYNAMIC APPLICATION

# PMXX® PLUS

## POWER&CONTROL MULTICORE



### APPLICATIVE FEATURES



**UP TO 5 MILLION  
GUARANTEED CYCLES**



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



**20,0 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	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**



**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) U<sub>0</sub>/U 0,6/1 KV  
(VDE)



**TEST VOLTAGE**  
4.0KV  
**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

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)  
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

EN50396 ART.8.1.3

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	SHEATH COLOUR EXC
46195	2X0,50 2XAWG21	✗	100	500	5.4	38		
46198	2X0,75 2XAWG19	✓	100	500	6	49		
46199	2X1,00 2XAWG18	✓	100/200	500/2000	6.3	55		
46237	2X1,50 2XAWG16	✓	100	500	7.2	75		
46238	2X2,50 2XAWG14	✓	100	500	8.4	110		
46202	3X0,50 3XAWG21	✓	100	500	5.8	42	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46204	3G0,75 3GAWG19	✓	100/200	500	6.4	55		
46206	3G1,00 3GAWG18	✓	100	500	6.5	60		
46207	3X1,00 3XAWG18	✓		500	6.5	60	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46239	3G1,50 3GAWG16	✓		500	7.5	92		
46242	3G2,50 3GAWG14	✓	100	500	9.2	140		
46248	3G4,00 3GAWG12	✓		500	10.4	190		
46209	4X0,50 4XAWG21	✓	100/200	500	6.4	56	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46211	4G0,50 4GAWG21	✓	100/200	500	6.4	56		
46212	4G0,75 4GAWG19	✓	100	500	6.8	63		
46214	4X1,00 4XAWG18	✓	100	500	7.3	80	BLACK CORE WITH WHITE PRINTED NUMBERS.	
46215	4G1,00 4GAWG18	✓	100	500	7.3	80		
46245	4G1,50 4GAWG16	✓	100	500	8.4	110		
46246	4G2,50 4GAWG14	✓		500	10	180		
46249	4G4,00 4GAWG12	✓			11.5	240		
46250	4G6,00 4GAWG10	✓			13.8	370		
46251	4G10,00 4GAWG08	✓			17.2	580		
46252	4G16,00 4GAWG06	✓			20.7	800		
46216	5G0,50 5GAWG21	✓	100	500	7	65		
46217	5G0,75 5GAWG19	✓	100	500	7.5	75		
46218	5G1,00 5GAWG18	✓	100	500	7.9	95		
46256	5G1,50 5GAWG16	✓	100	500	9	130		
46257	5G2,50 5GAWG14	✓		500	11	220		
46220	7G0,50 7GAWG21	✓	100	500	8	80		
46222	7G0,75 7GAWG19	✓	100	500	8.8	105		
46223	7G1,00 7GAWG18	✓	100	500	9.2	125		
46258	7G1,50 7GAWG16	✓		500	11	190		
46259	7G2,50 7GAWG14	✓			13	300		

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	SHEATH COLOUR EXC
46224	8G1,00 8GAWG18	✓	100	500	10	150		
46225	12G0,50 12GAWG21	✓		500/2000	9.5	120		
46227	12G0,75 12GAWG19	✓		500	10.4	165		
46228	12G1,00 12GAWG18	✓		500	11.4	190		
46260	12G1,50 12GAWG16	✓			13.2	300		
46261	12G2,50 12GAWG14	✓			16	450		
46229	18G0,50 18GAWG21	✓		500	11	180		
46230	18G0,75 18GAWG19	✓		500	12.2	230		
46231	18G1,00 18GAWG18	✓		500/100	13	270		
46262	18G1,50 18GAWG16	✓			15.6	400		
46232	25G0,50 25GAWG21	✓		500/100	13	250		
46233	25G0,75 25GAWG19	✓			14.5	335		
46234	25G1,00 25GAWG18	✓			15.6	405		
46263	25G1,50 25GAWG16	✓			18.4	580		
46235	34G0,50 34GAWG21	✓			15	320		
46236	34G0,75 34GAWG19	✓			16.6	430		

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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