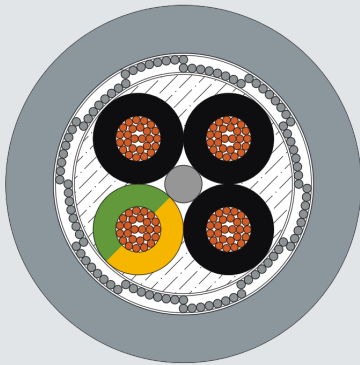


## DYNAMIC APPLICATION

# PMXX® PLUS POWER&CONTROL MULTICORE-ST



### APPLICATIVE FEATURES



UP TO 5 MILLIONS CYCLES  
GUARANTEED CYCLES



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

E244280



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°  
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 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]	INS. COLOUR EXC
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	

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