

DYNAMIC APPLICATION

PMXX® PLUS POWER&CONTROL MULTICORE

APPLICATIVE FEATURES



UP TO 5 MILLION
GUARANTEED CYCLES



50,0 M/S²
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



TEST VOLTAGE 4.0KV
TEST VOLTAGE REFERENCE EN
50395 PART 6-7 - UL/1581



NOMINAL VOLTAGE 1000 V
(UL/CSA) U₀/U 0,6/1 KV (VDE)



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
	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		

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	SHEATH COLOUR EXC
46258	7G1,50 7GAWG16	✓		500	11	190		
46259	7G2,50 7GAWG14	✓			13	300		
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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