

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	6xØ	4xØ
25.00	95.00	10xØ	4xØ

APPROVALS



AWM STYLE 21209
90°C 1000V



AWM I/II A/B 90°C
1000V



2014/35/CEE



2011/65/UE
2015/863/UE



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) UO/U 0,6/1 KV (VDE)



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



INSULATION RESISTANCE \geq 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
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
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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