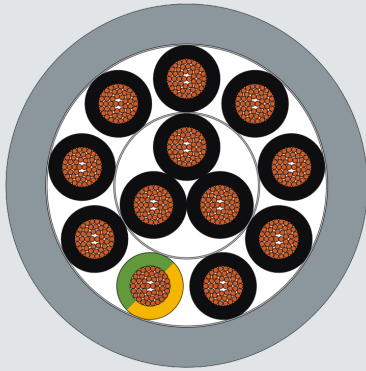


DYNAMIC APPLICATION

PMXX[®] PLUS MULTICORE



APPLICATIVE FEATURES



**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 MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	6.0xØ	4.0xØ
25.00	95.00	10.0xØ	4.0xØ

DESCRIPTION

High-performance UL/CSA certified flexible multicore cables designed for dynamic application in high-speed drag chains, also suitable for permanently flexible applications that allow free movement without tensile stress and without motion control in dry, damp, and wet environments. Reduced diameter and optimized minimum bending radius thanks to the low-capacity material. The polyurethane outer jacket provides excellent resistance properties against mechanical stress and chemical agents, making these cables suitable for indoor or outdoor use, even in very low temperatures. Widely used for high-performance applications such as pumping stations, compressors, generators, and power systems.

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)
U₀/U 0,6/1 KV (VDE)



TEST VOLTAGE
4.0 KV
TEST VOLTAGE REFERENCE
EN 50395-6-7
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 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
IEC 60332-1-2
UL CABLE FLAME
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE
VDE 0473-811-404
IEC 60811-404
CEI EN 50363-10-2
UL 1581



UV PERFORMANCE
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
EN50396-8-1-3

TECO CODE	N° CORES X CROSS-SECTION	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	
46204	3G0,75 3GAWG19	✓	100/200	500	6.4	55	
46206	3G1,00 3GAWG18	✓	100	500	6.5	60	
46207	3X1,00 3XAWG18	✓	100/200	500	6.5	60	BLACK CORE WITH WHITE PRINTED NUMBERS
46239	3G1,50 3GAWG16	✓	100	500	7.5	92	
46242	3G2,50 3GAWG14	✓		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	✓		500	11.5	240	
46250	4G6,00 4GAWG10	✓		500	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	✓		500	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	

TECO CODE	N° CORES X CROSS- SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46260	12G1,50 12GAWG16	✓		500	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	✓		500	14.5	335	
46234	25G1,00 25GAWG18	✓			15.6	405	
46263	25G1,50 25GAWG16	✓			18.4	580	
46235	34G0,50 34GAWG21	✓		500	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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