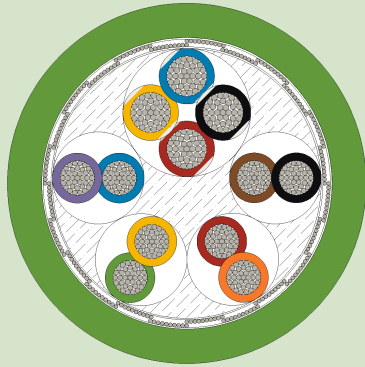


DYNAMIC APPLICATION

PMXX[®] PLUS ENCODER&RESOLVER 8



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**50 M/S²
ACCELERATION**



**25,0 M
CABLE LENGTH**



**300 M/MIN
TRAVEL SPEED**



MINIMUM BENDING RADIUS

**CROSS SECTION
MIN (MM²)**

**CROSS SECTION
MAX (MM²)**

**DYNAMIC
INSTALLATION**

**STATIC
INSTALLATION**

0.14

1.00

7.0xØ

5.0xØ

DESCRIPTION

High-performance UL/CSA certified flexible cables for data transmission of encoder and resolver devices, 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. 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.

APPROVALS



**AWM STYLE 21209
90°C 300V**



**AWM I/II A/B 90°C
300V**



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006



**IEC 60754-1 EN
50267-1**

TECHNICAL DATA



STORAGE
-50 °C +90 °C
DYNAMIC
-30 °C +90 °C
STATIC
-40 °C +90 °C



NOMINAL VOLTAGE
300 V (UL/CSA)



TEST VOLTAGE
(C/C)
2000 VRMS / 1 MIN (C/S)
2000 VRMS / 1 MIN



INSULATION RESISTANCE
≥ 1 GOHM/KM

CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	VARIOUS COLOURS
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	VARIOUS COLOURS
OVERALL STRANDING	SEPARATION LAYER	WRAPPING NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	OVERALL STRANDING NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	GREEN, RAL: 6018, DESINA: YES

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 ASTM-D-2565-16 EN 50289-4-17
	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 50396-8-1-3

TECO CODE	OEM REF.	N° CORES X CROSS- SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46690	HEIDENHAIN	(4X2X0,14+4X0,50)ST (4X2XAWG26+4XAWG21)ST	✓	100	500	8.4	110	GROUP 1 4X2X0,14 : RD-BK, BN-GN, YE-VT, GY-PK GROUP 2 4X0,50 : WH, BU, WH/GN*, BN/GN* *RING BICOLOUR
46695	SIEMENS	(4X2X0,34+4X0,50)ST (4X2XAWG22+4XAWG21)ST	✓	100	500	9	125	GROUP 1 4X2X0,34 : BN-BK, RD-OG, YE-GN, BU-VT GROUP 2 4X0,50 : BU/WH*, BK/WH*, RD/WH*, YE/WH* *RING BICOLOUR
46699		(6X2X0,34)ST (6X2XAWG22)ST	✓		500	9.4	120	YE-BU, RD/WH*-BK/WH*, RD-BK, WH-BU, RD-WH, RD/WH*-WH *RING BICOLOUR
46704		(8X2X0,18)ST (8X2XAWG25)ST	✓	100	500	8.2	95	WH/YE*-WH/GN*, WH/RD*-WH/OG*, WH/BK*-WH/BN*, GY-WH, BU-VT, YE-GN, RD-OG, BK+BN *RING BICOLOUR

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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