

DYNAMIC APPLICATION

PMXX[®] PLUS ENCODER&RESOLVER 12



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
	INSULATION COLOR	VARIOUS COLOURS
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	SCREEN TINNED COPPER 90 % ± 5 %
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
	SHEATH	INNER JACKET POLYOLEFIN COMPOUND.
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE
	INSULATION COLOR	VARIOUS COLOURS
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE
	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
46685	SIEMENS	[3X(2X0,14)CCSF/RPE+4X0,14+2X0,50]ST [3X(2XAWG26)CCSF/RPE+4XAWG26+2XAWG21]ST	✓	100	500	9	120	GROUP 1 3X(2X0,14) : YE- GN, RD-OR, BK-BN GROUP 2 4X0,14 : GY, BU, WH/YE*, WH/BK* GROUP 2 2X0,50 : BN/RD*, BN/BU* *RING BICOLOUR
46686	SIEMENS	[3X(2X0,14)CCSF/RPE+4X0,14+4X0,25+2X0,50]ST [3X(2XAWG26)CCSF/RPE+4XAWG26+4XAWG24+2XAWG21]ST	✓		500	9.8	135	GROUP 1 3X(2X0,14) : YE- GN, RD-OR, BK-BN GROUP 2 4X0,14 : GY, BU, WH/YE*, WH/BK* GROUP 2 4X0,25 : BN/YE*, BN/GY*, GN/BK*, GN/RD* GROUP 2 2X0,50 : BN/RD*, BN/BU* *RING BICOLOUR

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